Supplemental Materials and Methods

cDNA microarray and data analysis

The transcriptional profile in three monocyte populations was examined using the Affymetrix GeneChip Rhesus Macaque Genome Array (Affymetrix) containing a total of 47,000 Macaca mulatta transcripts. RNA purification and labeling, hybridization, array scanning, and image quantification were performed according to the manufacturer's instructions. Briefly, FACS-isolated monocyte subpopulations from two healthy uninfected rhesus monkeys were spun down and lysed in Trizol reagents (Invitrogen), and total RNA was prepared using PureLink Micro-to-Midi Total RNA Purification system (Invitrogen). Quality of RNA was determined by 2100 Bioanalyzer RNA LabChip (Agilent Technologies). One hundred ng of high-quality total RNA was subjected to Affymetrix 1-cycle or 2-cycle synthesis amplification, fluorescent labeling, and hybridization to Affymetrix Rhesus Genome Arrays. Expression data was obtained using an Affymetrix GSC3000 scanner and processed by GCOS software (Affymetrix). Partek Genomic Suite System was used for downstream analysis of GCOS processed data. Signals from all probe sets were normalized using Rhesus Array Normalization Controls. The entire data set was deposited at the Gene Expression Omnibus (GEO) website (http://www.ncbi.nlm.nih.gov/projects/geo/) with accession number GSE14482.



Supplemental Figure 1. Differential gene expression in monocyte subpopulations.

Total cellular RNA was extracted from FACS-sorted monocyte subpopulations, and gene expression profiles were determined by hybridizing Affymetrix rhesus macaque gene arrays. The RMA-normalized gene array signals of the indicated monocyte/macrophage markers are plotted for CD14^{high}CD16⁻, CD14^{high}CD16^{low}, and CD14^{low}CD16^{high} subpopulations. Phenotypically distinct stages of maturation can be defined. Red and green denote relatively high and low gene expression, respectively.

$ \begin{array}{c} \text{Gene Name} & \text{Prooe Set D} & \text{Log}_{2}, \text{Ratio} & \text{Lag}_{2}, \text{Ratio} & \text{Log}_{2}, \text{Ratio} & \text{Lag}_{2}, \text{Ratio} & \text{Ratio} & \text{Lag}_{2}, \text{Ratio} & \text{Ratio} & Rati$			I D (L D.C.
$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Gene Name	Probe Set ID	Log ₂ Katio	Log ₂ Katio
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			CD14 ^{mgn} CD16 ^{mm} /	CD14 ^{ard} CD16 ^{arg} /
$\begin{array}{llllllllllllllllllllllllllllllllllll$			CD14 ^{mgn} CD16 ⁻	CD14 ^{mgn} CD16 ⁻
	Receptors and cell surface antigens			
	CD1d [CD1D]	MmugDNA.14308.1.S1_at	8.86	7.82
$\begin{array}{ccccc} CD44 \ (CD44) & MmugDNA.6704.1.S1, at 4.94 & 3.83 \\ CD63 \ (CD63) & MmugDNA.14380.1.S1, at 6.95 & 6.39 \\ CD68 \ (macrosiatin) \ (CD58) & MmugDNA.6428.1.S1, at 6.25 & 6.67 \\ CD81 \ (CD81) & MmugDNA.6428.1.S1, at 6.29 & 6.45 \\ CD85 \ (CD86) & MmugDNA.6428.1.S1, at 5.52 & 4.56 \\ CD163 \ (CD163) & MmugDNA.2074.1.S1, at 5.22 & 4.56 \\ CD164 \ (CD163) & MmugDNA.2074.1.S1, at 5.2 & 4.56 \\ CD164 \ (CD164) & MmugDNA.2074.1.S1, at 4.42 & 4.36 \\ CD274 \ (B7.H1) \ (CD274) & MmugDNA.2074.1.S1, at 4.63 & 5.28 \\ colony stimulating factor 2 receptor, \beta, MmugDNA.35543.1.S1, at 6.16 & 6.90 \\ \ (CXCR4) & (CXCR4) & MmugDNA.35764.1.S1, at 5.30 & 5.41 \\ receptor \ (CXCR4) & MmugDNA.35764.1.S1, at 5.30 & 5.41 \\ receptor \ (CJACR8) & MmugDNA.35764.1.S1, at 2.90 & 3.35 \\ hormone receptor-like 2 \ (EMR2) & Fragment of \ [gc, low affinity IIa, mugDNA.35764.1.S1, at 2.70 & 4.05 \\ receptor \ (CI166) \ [FCCR8] & MmugDNA.2073.1.S1, at 5.30 & 5.41 \\ receptor \ (CI46) \ [FCCR8] & MmugDNA.20764.1.S1, at 5.33 & 5.61 \\ Fe \ fragment of \ [gc, low affinity IIa, mugDNA.35764.1.S1, at 5.93 & 5.61 \\ Fe \ fragment of \ [gc, low affinity IIb, mugDNA.2078.1.S1, at 5.93 & 5.61 \\ mag \ NmugDNA.2078.1.S1, at 5.93 & 5.61 \\ MmugDNA.2096.1.S1, at 5.93 & 5.61 \\ MmugDNA.2096.1.S1, at 5.93 & 5.61 \\ mag \ (LA-DRA) & MmugDNA.2096.1.S1, at 5.93 & 5.61 \\ mag \ (LA-DRA) & MmugDNA.2097.1.S1, at 4.94 & 5.73 \\ at ecceptor \ (IFGA4) & MmugDNA.2096.1.S1, at 3.66 & 3.98 \\ lettin, manose-binding, 1 \ (ITGA4) & MmugDNA.2095.1.S1, at 3.66 & 3.69 \\ lettin, manose-binding, 1 \ (ITGA4) & MmugDNA.2095.1.S1, at 3.66 & 3.69 \\ lettin, manose-binding, 1 \ (IAMN1) & MmugDNA.31951.S1, at 3.66 & 4.69 \\ \ (LY6E) & monose-binding, 2 \ (IMAN1) & MmugDNA.31951.S1, at 3.66 & 4.69 \\ \ (LY6E) & monose-binding, 1 \ (MmugDNA.2094.1.1S1, at 3.66 & 4.69 \\ \ (LY6E) & monose-binding, 1 \ (MmugDNA.2094.1.1S1, at 3.66 & 4.69 \\ \ (D4) \ (D5) \ (FCCR10) & MmugDNA.31951.S1, at 3.66 & 4.69 \\ \ (D4) \ (D5) \ (FCCR10) & MmugDNA.31951.S1, at 3.66 & 4.69 \\ \ (D4) \ (D5) \ (D5) \ (D5) \ (D5) \ (D5$	CD37 [CD37]	MmugDNA.14342.1.S1_at	4.74	5.67
	CD44 [CD44]	MmugDNA.6704.1.S1_at	4.94	3.83
	CD63 [CD63]	MmugDNA.14380.1.S1 at	6.95	6.39
	CD68 (macrosialin) [CD68]	MmuSTS.3489.1.S1 at	5.55	5.67
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	CD81 [CD81]	MmugDNA 6428 1 S1 at	6.53	6.87
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	CD83 [CD83]	MmugDNA 6430 1 S1_at	6.29	6.45
	CD86 [CD86]	MmugDNA $32699 \pm S1$ at	6.98	6.47
	CD99 [CD99]	MmugDNA 7402 1 S1 at	5 52	4 56
	CD163 [CD163]	MmugDNA 20742 1 S1 at	7.58	5 37
	CD164 [CD164]	MmugDNA 10526 1 S1_at	1.30	1.26
$ \begin{array}{c} \text{CD}274 (B'-H1) (CD2/4) & \text{MmugDNA.3574.1.S1_at} & 4.63 & 5.28 \\ \text{colony stimulating factor 2 receptor, \beta,} & \text{MmugDNA.35754.1.S1_at} & 6.63 & 6.47 \\ \hline \\ \hline \\ low-affinity (GM-CSFR0) (CSF2RB] & \text{MmugDNA.35754.1.S1_at} & 6.16 & 6.90 \\ \hline \\ (CXCR4) & \text{monole containing, mucin-like,} & \text{MmugDNA.35764.1.S1_s_at} & 2.90 & 3.35 \\ \hline \\ \hline \\ \text{formone receptor-like 2 [EMR2]} & \text{formone receptor-like 2 [EMR2]} & \text{formone receptor-like 2 [EMR2]} \\ \hline \\ \hline \\ \text{Fe fragment of IgE, bigh affinity II,} & \text{MmugDNA.19066.1.S1_at} & 2.70 & 4.05 \\ \hline \\ \hline \\ \text{receptor (CD16b) [FCGR3A]} & \text{formone receptor-like 2 [EMR2]} & \text{formone receptor-like 2 [EMR2]} \\ \hline \\ \hline \\ \hline \\ \text{Fe fragment of IgE, low affinity IIIb,} & \text{MmugDNA.1046.1.S1_at} & 5.93 & 5.61 \\ \hline \\ \hline \\ \text{receptor (CD16b) [FCGR3B]} & \text{mugDNA.21956.1.S1_at} & 5.93 & 5.61 \\ \hline \\ \hline \\ \text{Interferon } \gamma \text{ receptor 1 [IFNGR1]} & \text{MmugDNA.22487.1.S1_at} & 4.94 & 5.73 \\ \text{integrin, } \alpha 4 (CD49d, \alpha 4 subunit of VLA- \\ \text{Integrin, } \alpha 4 (CD14d), \alpha 4 subunit of VLA- \\ \hline \\ \text{Integrin, } \alpha 4 (CD11b) [ITGAM] & \text{MmugDNA.22488.1.S1_at} & 3.65 & 5.13 \\ \text{integrin, } \alpha 1 (CD11b) [ITGAM] & \text{MmugDNA.15918.1.S1_at} & 3.66 & 3.98 \\ \text{lectin, manose-binding, 1 [LMAN1] \\ \text{MmugDNA.15918.1.S1_at} & 3.66 & 4.69 \\ [LV56] & \text{monocyte to macrophage differentiation-} \\ \text{associated [MMD] \\ \text{oxidized low density lipoprotein (lectin- \\ \text{ImugDNA.253341.S1_at} & 3.64 & 2.44 \\ \text{coupled, 5 [PRX5] & \text{mugDNA.253341.S1_at} & 3.64 & 2.44 \\ \text{coupled, 5 [PRX5] & \text{mugDNA.253341.S1_at} & 3.64 & 2.44 \\ \text{coupled, 5 [PRX5] & \text{mugDNA.253341.S1_at} & 5.33 & 6.14 \\ \text{(CD31) [PECAM1] & \text{mugDNA.253341.S1_at} & 5.46 & 6.93 \\ \text{oxidized low density lipoprotein (lectin- \\ \text{MmugDNA.253341.S1_at} & 5.46 & 6.93 \\ \text{ording around factor, } p receptor 1 \\ \text{MmugDNA.25341.S1_at} & 5.46 & 6.93 \\ \text{ordiner receptor 2 (TLR2) & \text{MmugDNA.25341.S1_at} & 5.46 & 6.93 \\ \text{ording around factor, } p receptor 1 \\ \text{MmugDNA.2515.521.S1_at} & 5.77 & 5.01 \\ \text{MmugDNA.2515.51.S1_at} & 5.77 & 5.01 \\ \text{MmugDNA.2515.1.S1_at} &$	CD104 [CD104]	MIIIUgDNA.19520.1.51_at	4.42	4.30
	CD2/4 (B/-HI) [CD2/4]	MmugDNA.20774.1.S1_at	4.03	5.28
$ low-affinity (GM-CSFRB) (CSF2RB] \\ chemokine (C-X-C motif) receptor 4 MmugTS.4017.1.S1_at 6.16 6.90 \\ [CXCR4] \\ egf-like module containing, mucin-like, MmugDNA.34795.1.S1_at 2.90 3.35 \\ hormone receptor-like 2 [EMR2] \\ Fe fragment of IgE, high affinity II, MmugDNA.35764.1.S1_s_at 5.30 5.41 \\ receptor for; polypeptide [FCERIG] \\ Fe fragment of IgE, low affinity IIIa, MmugDNA.19066.1.S1_at 2.70 4.05 \\ receptor (CD16a) [FCGR3A] \\ Fe fragment of IgE, low affinity IIIb, MmugDNA.1046.1.S1_at 5.93 5.61 \\ DR \alpha [HLA-DRA] \\ Integrin, \alpha 4 (CD494, \alpha 4 subunit of VLA- MmugDNA.21956.1.S1_at 6.75 6.91 \\ Integrin, \alpha 4 (CD494, \alpha 4 subunit of VLA- MmugDNA.22487.1.S1_at 3.65 5.13 \\ integrin, \alpha 4 (CD14) [ITGAH] MmugDNA.22487.1.S1_at 3.65 5.13 \\ integrin, \alpha 4 (CD14) [ITGAH] MmugDNA.22487.1.S1_at 3.65 5.13 \\ integrin, \alpha 4 (CD14) [ITGAH] MmugDNA.22487.1.S1_at 3.66 3.98 \\ lectin, manose-binding, 1 [LMAN1] MmugDNA.1591.8.1.S1_at 3.66 4.69 \\ [LVfGE] \\ monocyte to macrophage differentiation- associated [MMD] \\ oxidized low density lipoprotein (lectin- MmugDNA.23341.S1_at 3.26 3.04 \\ like receptor P2Y, G-protein MmugDNA.23341.S1_at 3.64 2.44 \\ coupled, 5 [P2RY5] \\ platelet/endotheliat cell adhesion molecule (CD31) [PECAM1] transforming growth factor, β receptor 1 MmugDNA.28182.1.S1_at 4.29 4.90 \\ Cytokines and extracellular mediators apolicy.1.S1_ast 5.57 5.01 \\ MmugDNA.2515.1.S1_at 5.46 6.93 \\ retraceptor 1 [ILB] MmugDNA.2515.1.S1_at 5.75 5.01 \\ ThM metalloopertin 1.S1_ast 5.46 6.93 \\ receptor 1 [OLR1] \\ munusTS.2830.1.S1_at 5.46 6.93 \\ coupled, 5 [P2RY5] \\ musTS.2830.1.S1_at 5.46 6.93 \\ chemokine (C-C motif) Ignad 3 [CCL3] \\ MmugDNA.251.51_at 5.75 5.01 \\ $	colony stimulating factor 2 receptor, β ,	MmugDNA.35543.1.51_at	0.03	6.4/
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$ \begin{bmatrix} CXCR4 \end{bmatrix} \\ egf-like module containing, mucin-like, MmugDNA.34795.1.S1_at 2.90 3.35 \\ hormone receptor-like 2 [EMR2] \\ Fc fragment of IgE, high affinity II, MmugDNA.35764.1.S1_s_at 5.30 5.41 \\ receptor for; \gamma polypeptide [FCERIG] \\ Fc fragment of IgE, low affinity IIIb, MmugDNA.19066.1.S1_at 2.70 4.05 \\ receptor (CD16b) [FCGR3A] \\ Fc fragment of IgE, low affinity IIIb, MmugDNA.7038.1.S1_at 9.03 9.57 \\ receptor (CD16b) [FCGR3B] \\ major histocompatibility complex, class II, MmugDNA.21956.1.S1_at 5.93 5.61 \\ DR \alpha [HL-DRA] \\ Interferon \gamma receptor 1 [IFNGR1] MmugDNA.21956.1.S1_at 6.75 6.91 \\ Integrin, \alpha 4 (CD49d, \alpha 4 subunit of VLA- \\ 4 receptor [ITGA4] \\ integrin, \alpha 1 (CD11b) [ITGAL] MmugDNA.22748.1.S1_at 3.65 5.13 \\ integrin, \alpha 1 (CD11b, ITGAL] MmugDNA.1320.1.S1_at 7.82 7.56 \\ integrin, \beta 2 (CD18, LFA1) [ITGAL] MmugDNA.1320.1.S1_at 3.66 3.98 \\ lectin, manose-binding, 1 [LMAN1] MmugDNA.1320.1.S1_at 4.64 4.30 \\ Jymphocyte antigen 6 complex, locus E MmugDNA.40394.1.S1_at 3.66 3.98 \\ lectin, manose-binding, 2 [LMAN2] MmugDNA.25334.1.S1_at 4.64 4.30 \\ Jymphocyte antigen 6 complex, locus E MmugDNA.23195.1.S1_at 4.64 4.30 \\ MmugDNA.40394.1.S1_at 3.66 4.69 \\ [LY6E] monocyte to macrophage differentiation- associated [MMD] oxidized low density lipoprotein (lectin- MmugDNA.23195.1.S1_at 3.64 2.44 \\ coupled, 5 [P2RY5] \\ platelet/endothelial cell adhesion molecule (CD31) [PECAM1] \\ transforming growth factor, \beta receptor 1 MmugDNA.28182.1.S1_at 4.29 4.90Cytokines and extracellular mediators apolipoprotein L3 [APOL3] MmugTNA.5537.1.S1_s_at 5.19 4.77 \\ interleukin 1, \beta [IL1B] MmugTNA.575.1.S1_s_at 3.71 2.61[TMPT Hatlopeptidase inhibitor 1 MmugDNA.2511.1.S1_s_at 4.75 4.97 \\ member 13 [TNSFFI3] \\ munor necrosis factor (ligand) superfamily, mmugDNA.24514.1.S1_s_at 4.75 4.97 \\ member 13 [TNSFFI3] \\ mustTs.552.1.S1_s_at 4.75 4.97 \\ mustTs.552.1.S1_s_at 4.75 4.97 \\ mustTs.552.1.S1_s_at 4.75 \\ mustTs.557 5.01 \\ mustTs.5$	chemokine (C-X-C motif) receptor 4	MmuSTS.4017.1.S1_at	6.16	6.90
egf-like module containing, mucin-like, hormone receptor-like 2 [EMR2]MmugDNA.34795.1.S1_at2.903.35hormone receptor-like 2 [EMR2]MmugDNA.35764.1.S1_s_at5.305.41receptor for, γ polypeptide [FCERIG]MmugDNA.19066.1.S1_at2.704.05Fc fragment of IgG, low affinity IIIb, receptor (CD16b) [FCGR3A]MmugDNA.19066.1.S1_at9.039.57major histocompatibility complex, class II, Interferor y receptor 1 [FNGR1]MmugDNA.21956.1.S1_at6.756.91Interferor y receptor 1 [FNGR1]MmugDNA.21956.1.S1_at6.756.91Intergrin, α 4 (CD49d, α 4 subunit of VLA-MmugDNA.22748.1.S1_at3.655.13integrin, α 1 (CD11a, LFA1) [ITGAL]MmugDNA.22091.1.S1_at7.827.56integrin, α 1 (CD11b, [ITGAM]MmugDNA.1483.1.S1_at3.333.95lectin, manose-binding, 1 [LMAN1]MmugDNA.13320.1.S1_at4.644.30lymphocyte antigen 6 complex, locus EMmugDNA.15918.1.S1_at3.263.04likey receptor 1 [OLR1]MmugDNA.233195.1.S1_at3.664.69lLYGE]mmugDNA.233195.1.S1_at3.642.44coupled, 5 [P2RY5]platestor moleculeMmugDNA.28182.1.S1_at3.723.37like receptor 21 (LR2)MmugDNA.28182.1.S1_at5.466.93oxidized low density lipoprotein (lectin- like receptor 21, G-proteinMmugDNA.25334.1.S1_at3.642.44coupled, 5 [P2RY5]mugDNA.28182.1.S1_at5.466.93platetet/endothelial cell adhesion moleculeMmugDNA.5715.1.S1_at<	[CXCR4]			
	egf-like module containing, mucin-like,	MmugDNA.34795.1.S1_at	2.90	3.35
Fc fragment of IgE, high affinity I, receptor for; γ polypeptide [FCR1G]MmugDNA.35764.1.S1_s_at5.305.41Fc fragment of IgG, low affinity IIIa, receptor (CD16a) [FCGR3A]MmugDNA.19066.1.S1_at2.704.05Fc fragment of IgG, low affinity IIIb, receptor (CD16b) [FCGR3B]MmugDNA.7038.1.S1_at9.039.57major histocompatibility complex, class II, Interferon γ receptor 1 [IFNGR1]MmugDNA.21956.1.S1_at5.935.61DR α [HLA-DRA]MmugDNA.21956.1.S1_at6.756.91Interferon γ receptor 1 [IFNGR1]MmugDNA.224387.1.S1_at4.945.73integrin, α 4 (CD49d, α 4 subunit of VLA- receptor) [ITGA4]MmugDNA.22748.1.S1_at3.655.13integrin, α 4 (CD11a, LFA1) [ITGAL]MmugDNA.22091.1.S1_at7.827.56integrin, α 1 (CD11b) [ITGAM]MmugDNA.1320.1.S1_at3.663.98lectin, mannose-binding, 1 [LMAN1]MmugDNA.1320.1.S1_at3.663.98lectin, mannose-binding, 2 [LMAN2]MmugDNA.15918.1.S1_at3.664.69[LY6E]MmugDNA.25334.1.S1_at3.664.69[LY6E]MmugDNA.25334.1.S1_at3.642.44coupled, 5 [P2RY5]MmugDNA.28182.1.S1_at3.642.44coupled, 5 [P2RY5]MmugDNA.2918.1.S1_at4.294.90 <i>Quochties and extracellular mediators</i> apolipoprotein L3 [APOL3]MmugDNA.28182.1.S1_at5.336.14(CD31) [PECAM1]MmugDNA.2612.1.S1_s_at5.75.01MmuSTS.2830.1.S1_s_at5.466.93 <i>Quochties and extracellular mediators</i> apolip	hormone receptor-like 2 [EMR2]			
receptor for; γ polypeptide [FCER1G] Fc fragment of IgG, low affinity IIIa, MmugDNA.19066.1.S1_at 2.70 4.05 receptor (CD16a) [FCGR3A] Fc fragment of IgG, low affinity IIIb, MmugDNA.7038.1.S1_at 9.03 9.57 receptor (CD16b) [FCGR3A] major histocompatibility complex, class II, MmugDNA.1046.1.S1_at 5.93 5.61 DR α [HLA-DRA] Integrin, α 4 (CD49d, α 4 subunit of VLA- 4 receptor) [ITGA4] integrin, α 4 (CD11a, LFA1) [ITGAL] MmugDNA.22748.1.S1_at 4.94 5.73 4 receptor) [ITGA4] integrin, α 1 (CD11b, IFA1) [ITGAL] MmugDNA.22748.1.S1_at 7.82 7.56 integrin, β 2 (CD18, LFA1) [ITGB2] MmugDNA.22091.1.S1_at 7.82 7.56 integrin, β 2 (CD18, LFA1) [ITGB2] MmugDNA.18553.1.S1_at 3.33 3.95 lectin, mannose-binding, 1 [LMAN1] MmugDNA.18553.1.S1_at 3.66 3.98 lectin, mannose-binding, 2 [LMAN2] MmugDNA.15918.1.S1_at 4.64 4.30 lymphocyte antigen 6 complex, locus E MmugDNA.15918.1.S1_at 3.26 3.04 like) receptor 1 [OLR1] purinergic receptor P2Y, G-protein MmugDNA.23341.S1_at 3.64 2.44 coupled, 5 [P2RY5] platelet/mothelial cell adhesion molecule MmugDNA.28182.1.S1_at 3.72 3.37 [TGFBR1] toll-like receptor 2 (TLR2) MmugDNA.28182.1.S1_at 4.29 4.90 <i>Cytokines and estracellular mediators</i> 4.24 <i>Supplice Complex</i> , 10, 11 MmugDNA.25331.1.S1_at 4.29 4.90 <i>Cytokines and estracellular mediators</i> 4.24 mugDNA.2511.S1_s_at 5.7 5.01 ThYP metalopeptidase inhibitor 1 MmugDNA.2511.S1_s_at 3.71 2.61 [TIMP1] tumor necrosis factor (ligand) superfamily, MmugDNA.24514.1.S1_s_at 4.75 4.97	Fc fragment of IgE, high affinity I,	MmugDNA.35764.1.S1_s_at	5.30	5.41
Fe fragment of IgG, low affinity IIIa, receptor (CD16a) [FCGR3A]MmugDNA.19066.1.S1_at2.704.05Fc fragment of IgG, low affinity IIIb, receptor (CD16b) [FCGR3B]MmugDNA.7038.1.S1_at9.039.57major histocompatibility complex, class II, Interferon γ receptor 1 [IFNGR1]MmugDNA.21956.1.S1_at5.935.61DR α [HLA-DRA]Interferon γ receptor 1 [IFNGR1]MmugDNA.21956.1.S1_at6.756.91Integrin, α 4 (CD49d, α 4 subunit of VLA- treceptor) [ITGA4]MmugDNA.224387.1.S1_at3.655.13integrin, α L (CD11a, LFA1) [ITGAL]MmugDNA.22091.1.S1_at7.827.56integrin, α L (CD11a, LFA1) [ITGB2]MmugDNA.11483.1.S1_at3.663.98lectin, manose-binding, 1 [LMAN1]MmugDNA.13320.1.S1_at4.644.30lymphocyte antigen 6 complex, locus EMmugDNA.15918.1.S1_at3.664.69[LY6E]monocyte to macrophage differentiation- associated [MMD]MmugDNA.25334.1.S1_at3.642.44oxidized low density lipoprotein (lectin- plateletvendothelial cell adhesion molecule (CD31) [PECAM1]MmugDNA.28182.1.S1_at5.336.14(CD31) [PECAM1]MmugDNA.9612.1.S1_s_at5.775.013.773.77transforming growth factor, β receptor I musTS.2830.1.S1_at5.466.936.93chemokine (C-C motif) ligand 3 [CCL3]MmuSTS.2830.1.S1_at5.466.93chemokine (C-C motif) ligand 3 [CCL3]MmugDNA.5715.1.S1_s_at5.775.01TIMP metallopeptidase inhibitor 1 murgDNA.5715.1.S1_s_at3.71	receptor for: γ polypeptide [FCER1G]	C C		
$ \begin{array}{c} \mbox{receptor (CD16a) [FCGR3A]} \\ \mbox{Fc fragment of IgG, Iow affinity IIIb, MmugDNA.7038.1.S1_at } 9.03 9.57 \\ \mbox{receptor (CD16b) [FCGR3B]} \\ \mbox{major histocompatibility complex, class II, MmugDNA.1046.1.S1_at } 5.93 5.61 \\ \mbox{DR } \alpha$ (HLA-DRA] \\ \mbox{Interferon } \gamma receptor 1 [IFNGR1] MmugDNA.21956.1.S1_at } 6.75 6.91 \\ \mbox{Integrin, } \alpha 4 (CD49d, α 4 subunit of VLA- MmugDNA.24387.1.S1_at 4.94 5.73 \\ \mbox{4 receptor} [ITGA4] \\ \mbox{integrin, } \alpha 4 (CD11b) [ITGAL] MmugDNA.22748.1.S1_at 3.65 5.13 \\ \mbox{integrin, } \beta 2 (CD18, LFA1) [ITGB2] MmugDNA.1483.1.S1_at 3.33 3.95 \\ lectin, mannose-binding, 1 [LMAN1] MmugDNA.18553.1.S1_at 3.66 3.98 \\ \mbox{lectin, mannose-binding, 2 [LMAN2] MmugDNA.13320.1.S1_at 4.64 4.30 \\ \mbox{lymphocyte antigen 6 complex, locus E MmugDNA.15918.1.S1_at 3.66 4.69 \\ \mbox{lectin, mannose-binding, 2 [LMAN2] MmugDNA.25334.1.S1_at 3.66 4.69 \\ \mbox	Fc fragment of IgG, low affinity IIIa.	MmugDNA 19066 1.S1 at	2.70	4.05
$ \begin{array}{c} \mbox{Ferror} (CD160) (CD160) (FCGR3B) \\ \mbox{Feceptor} (CD16b) [FCGR3B] \\ \mbox{main} (CD16b) [FGGR3B] \\ \mbox{main} (CD16b) [FGGR4] \\ \mbox{main} (FGF4) \\ \mbox{main} (FG74) \\ \mbox{main}$	receptor (CD16a) [FCGR3A]	1011111920101119100011191_uu	217.0	
$\begin{array}{cccc} \mbox{Tre} \mbox{Tre} \mbox{CD16b} [FCGR3B] \\ major histocompatibility complex, class II, \\ MmugDNA.1046.1.S1_at \\ S.93 \\ S.61 \\ DR α [HLA-DRA] \\ Interferon $\mathcal{receptor}1$ [IFNGR1] \\ Integrin, α 4$ (CD49d, α 4 subunit of VLA- \\ MmugDNA.21956.1.S1_at \\ 4.94 \\ S.73 \\ 4 receptor) [ITGA4] \\ integrin, α 1$ (CD11a, LFA1) [ITGAL] \\ MmugDNA.22748.1.S1_at \\ 3.65 \\ S.13 \\ integrin, α 1$ (CD11b) [ITGAM] \\ MmugDNA.22091.1.S1_at \\ 7.82 \\ 7.56 \\ integrin, α 1$ (CD11b) [ITGAM] \\ MmugDNA.22091.1.S1_at \\ 7.82 \\ 7.56 \\ integrin, β 2$ (CD18, LFA1) [ITGB2] \\ MmugDNA.11483.1.S1_at \\ 3.33 \\ 3.95 \\ lectin, manose-binding, 1$ [LMAN1] \\ MmugDNA.18553.1.S1_at \\ 3.66 \\ 4.69 \\ [LY6E] \\ monocyte antigen 6 complex, locus E \\ MmugDNA.40394.1.S1_at \\ 3.66 \\ 4.69 \\ [LY6E] \\ monocyte to macrophage differentiation- \\ mscoited [MMD] \\ oxidized low density lipoprotein (lectin- \\ MmugDNA.233195.1.S1_at \\ 3.64 \\ 2.44 \\ coupled, 5$ [P2RY5] \\ platelet/endothelial cell adhesion molecule \\ (CD31) [PECAM1] \\ transforming growth factor, β receptor I \\ MmugDNA.28182.1.S1_at \\ 3.72 \\ 3.37 \\ [TGFBR1] \\ toll-like receptor 2$ (TLR2) \\ Crucking and extracellular mediators \\ apolipoprotein L3 [APOL3] \\ MmugDNA.2531.1.S1_at \\ 5.19 \\ 4.77 \\ interleukin 1, β [IL1B] \\ MmusTS.652.1.S1_s_at \\ 5.19 \\ 4.77 \\ interleukin 1, β [IL1B] \\ MmugDNA.25115.1.S1_s_at \\ 5.7 \\ 5.01 \\ TIMP metallopeptidase inhibitor 1 \\ MmugDNA.25115.1.S1_s_at \\ 4.75 \\ 4.97 \\ member 13 [TNFSF13] \\ \end{array}$	Fc fragment of IgG low affinity IIIb	MmugDNA 7038 1 S1 at	9.03	9.57
$\begin{array}{c} \text{major histocompatibility complex, class II,} \\ \text{major histocompatibility complex, class II,} \\ \text{Interferon } receptor 1 [IFNGR1] \\ \text{Interferon } receptor 1 [IFNGR1] \\ \text{Integrin, } \alpha 4 (CD49d, \alpha 4 subunit of VLA- \\ \text{MmugDNA.21956.1.S1_at} \\ \text{Arcceptor } [ITGA4] \\ \text{integrin, } \alpha 4 (CD11a, LFA1) [ITGAL] \\ \text{MmugDNA.22091.1.S1_at} \\ \text{MmugDNA.22091.1.S1_at} \\ \text{Arcceptor } [ITGA4] \\ \text{integrin, } \alpha M (CD11b) [ITGAM] \\ \text{MmugDNA.22091.1.S1_at} \\ \text{MmugDNA.21956.1.S1_at} \\ \text{Arcceptor } [2 (CD18, LFA1) [ITGAL] \\ \text{MmugDNA.22091.1.S1_at} \\ \text{MmugDNA.2332.1.S1_at} \\ \text{Arcceptor } [2 (CD18, LFA1) [ITGAM] \\ \text{MmugDNA.11483.1.S1_at} \\ \text{MmugDNA.1332.0.1.S1_at} \\ \text{Ictin, mannose-binding, 1 [LMAN1] \\ \text{MmugDNA.1332.0.1.S1_at} \\ \text{MmugDNA.1553.1.S1_at} \\ \text{Arceptor } [2 (CD18, LFA1) [ITGB2] \\ \text{MmugDNA.1332.0.1.S1_at} \\ \text{MmugDNA.40394.1.S1_at} \\ \text{MmugDNA.25334.1.S1_at} \\ \text{Arceptor } [0 (LR1] \\ \text{monocyte to macrophage differentiation-} \\ \text{associated [MMD]} \\ \text{oxidized low density lipoprotein (lectin- \\ MmugDNA.25334.1.S1_at \\ \text{MmugDNA.25334.1.S1_at} \\ \text{Arceptor } [0 (LR1] \\ \text{purinergic receptor P2Y, G-protein \\ \text{mugDNA.28182.1.S1_at} \\ \text{MmugDNA.28182.1.S1_at} \\ \text{Arceptor } [0 (LR1] \\ \text{purinergic growth factor, } \beta receptor I \\ \text{MmugDNA.28182.1.S1_at} \\ \text{Arceptor } [0 (LR1] \\ \text{transforming growth factor, } \beta receptor I \\ \text{MmugDNA.28182.1.S1_at} \\ \text{Arceptor } [0 (LR2] \\ \text{apolipoprotein 1.2 [APOL3] \\ \text{mmusTS.2830.1.S1_at} \\ \text{Arceptor } [2 (CTM2)] \\ \text{MmusTS.552.1.S1_s_at} \\ \text{Arceptor } [2 (CTM2)] \\ \text{MmusTS.552.1.S1_s_at} \\ \text{Arceptor } [2 (LR2) \\ \text{Arceptor } [2 (LR2) \\ \text{MmusTS.552.1.S1_s_at} \\ \text$	recentor (CD16b) [ECGR3B]	WindgD14A.7050.1.51_at	2.05	2.51
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	major histocompatibility complex class II	MmugDNA 1046 1 S1 at	5.03	5.61
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	DD .: [III A DDA]	WillugDNA.1040.1.51_at	5.95	5.01
Interferon γ receptor 1 [IFNGR1]MmugDNA.21956.1.S1_at6.756.91Integrin, α 4 (CD49d, α 4 subunit of VLA-MmugDNA.22487.1.S1_at4.945.73integrin, α L (CD11a, LFA1) [ITGAL]MmugDNA.22748.1.S1_at3.655.13integrin, α M (CD11b) [ITGAM]MmugDNA.22091.1.S1_at7.827.56integrin, β 2 (CD18, LFA1) [ITGB2]MmugDNA.11483.1.S1_at3.333.95lectin, manose-binding, 1 [LMAN1]MmugDNA.13520.1.S1_at4.644.30lymphocyte antigen 6 complex, locus EMmugDNA.13230.1.S1_at4.644.30lymphocyte antigen 6 complex, locus EMmugDNA.15918.1.S1_at3.663.04like receptor 1 [OLR1]mugDNA.25334.1.S1_at3.663.04oxidized low density lipoprotein (lectin- usrier creeptor 1 [OLR1]MmugDNA.23195.1.S1_at3.642.44coupled, 5 [P2RY5]mugDNA.28182.1.S1_at5.336.14(CD31) [PECAM1]transforming growth factor, β receptor I apolipoprotein L3 [APOL3]MmuSTS.2830.1.S1_at5.466.93chemokine (C-C motif) ligand 3 [CCL3]MmuSTS.2830.1.S1_at5.466.93chemokine (C-C motif) ligand 3 [CCL3]MmuSTS.5715.1.S1_at3.712.61TIMP metallopeptidase inhibitor 1MmugDNA.24514.1.S1_s_at4.754.97member 13 [TNFSF13]MmugDNA.24514.1.S1_s_at4.754.97	$DK \alpha [\Pi LA - DKA]$	M DNA 21056 1 01	675	C 01
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4 receptor) [ITGA4]integrin, α L (CD11a, LFA1) [ITGAL]MmugDNA.22748.1.S1_at3.655.13integrin, β 2 (CD18, LFA1) [ITGB2]MmugDNA.22091.1.S1_at7.827.56integrin, β 2 (CD18, LFA1) [ITGB2]MmugDNA.11483.1.S1_at3.333.95lectin, mannose-binding, 1 [LMAN1]MmugDNA.18553.1.S1_at3.663.98lectin, mannose-binding, 2 [LMAN2]MmugDNA.13320.1.S1_at4.644.30lymphocyte antigen 6 complex, locus EMmugDNA.40394.1.S1_at3.664.69[LY6E]monocyte to macrophage differentiation- associated [MMD]MmugDNA.25334.1.S1_at3.263.04oxidized low density lipoprotein (lectin- lywinergic receptor 1 [OLR1] purinergic receptor P2Y, G-proteinMmugDNA.28182.1.S1_at3.642.44coupled, 5 [P2RY5] platelet/endothelial cell adhesion molecule (CD31) [PECAM1]MmugDNA.9612.1.S1_s_at3.723.37[TGFBR1] toll-like receptor 2 (TLR2)MmugTS.2830.1.S1_at5.466.93Cytokines and extracellular mediators apolipoprotein L3 [APOL3]MmuSTS.2830.1.S1_s_t5.194.77interleukin 1, β [IL1B]MmuSTS.652.1.S1_s_at5.775.01TIMP metallopeptidase inhibitor 1MmugDNA.24514.1.S1_s_at4.754.97member 13 [TNFSF13]MmugDNA.24514.1.S1_s_at4.754.97	Integrin, α 4 (CD49d, α 4 subunit of VLA-	MmugDNA.24387.1.S1_at	4.94	5.73
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$\begin{array}{cccc} integrin, β 2 (CD18, LFA1) [ITGB2] & MmugDNA.11483.1.S1_at & 3.33 & 3.95 \\ \mbox{lectin, mannose-binding, 1 [LMAN1] & MmugDNA.18553.1.S1_at & 3.66 & 3.98 \\ \mbox{lectin, mannose-binding, 2 [LMAN2] & MmugDNA.13320.1.S1_at & 4.64 & 4.30 \\ \mbox{lymphocyte antigen 6 complex, locus E & MmugDNA.40394.1.S1_at & 3.66 & 4.69 \\ \mbox{[LY6E] & monocyte to macrophage differentiation-associated [MMD] & mugDNA.15918.1.S1_at & 3.66 & 3.98 \\ \mbox{oxidized low density lipoprotein (lectin- & MmugDNA.25334.1.S1_at & 3.26 & 3.04 \\ \mbox{like) receptor 1 [OLR1] & mugDNA.25334.1.S1_at & 3.64 & 2.44 \\ \mbox{coupled, 5 [P2RY5] & platelet/endotheilal cell adhesion molecule \\ (CD31) [PECAM1] & mugDNA.28182.1.S1_at & 5.33 & 6.14 \\ \mbox{(CD31) [PECAM1] & mugDNA.9612.1.S1_s_at & 3.72 & 3.37 \\ \mbox{TGFBR1] & mugDNA.9612.1.S1_s_at & 5.46 & 6.93 \\ \mbox{chemokine (C-C motif) ligand 3 [CCL3] & MmuSTS.2830.1.S1_at & 5.46 & 6.93 \\ \mbox{chemokine (C-C motif) ligand 3 [CCL3] & MmuSTS.652.1.S1_s_at & 5.77 & 5.01 \\ \mbox{TIMP metallopeptidase inhibitor 1 & MmugDNA.24514.1.S1_s_at & 3.71 & 2.61 \\ \mbox{[TIMP1] & mucrosis factor (ligand) superfamily, & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ \mbox{member 13 [TNFSF13] & MmugDNA.2$	integrin, α M (CD11b) [ITGAM]	MmugDNA.22091.1.S1_at	7.82	7.56
lectin, mannose-binding, 1 [LMAN1] MmugDNA.18553.1.S1_at 3.66 3.98 lectin, mannose-binding, 2 [LMAN2] MmugDNA.13320.1.S1_at 4.64 4.30 lymphocyte antigen 6 complex, locus E MmugDNA.40394.1.S1_at 3.66 4.69 [LY6E] monocyte to macrophage differentiation- associated [MMD] 0.3320.1.S1_at 4.49 6.03 oxidized low density lipoprotein (lectin- MmugDNA.25334.1.S1_at 3.26 3.04 like) receptor 1 [OLR1] purinergic receptor P2Y, G-protein MmugDNA.33195.1.S1_at 3.64 2.44 coupled, 5 [P2RY5] platelet/endothelial cell adhesion molecule MmugDNA.28182.1.S1_at 5.33 6.14 (CD31) [PECAM1] transforming growth factor, β receptor I MmugDNA.9612.1.S1_s_at 3.72 3.37 [TGFBR1] toll-like receptor 2 (TLR2) MmuSTS.1204.1.S1_at 4.29 4.90 <i>Cytokines and extracellular mediators</i> apolipoprotein L3 [APOL3] MmuSTS.2830.1.S1_at 5.46 6.93 chemokine (C-C motif) ligand 3 [CCL3] MmuSTS.652.1.S1_s_at 5.77 5.01 TIMP metallopeptidase inhibitor 1 MmugDNA.5715.1.S1_at 3.71 2.61 [TIMP1] tumor necrosis factor (ligand) superfamily, MmugDNA.24514.1.S1_s_at 4.75 4.97	integrin, β 2 (CD18, LFA1) [ITGB2]	MmugDNA.11483.1.S1_at	3.33	3.95
	lectin, mannose-binding, 1 [LMAN1]	MmugDNA.18553.1.S1 at	3.66	3.98
$\begin{array}{c} \mbod below (1.5) \mbod$	lectin mannose-binding 2 [LMAN2]	MmugDNA 13320 1 S1 at	4 64	4 30
$[LY6E] monocyte to macrophage differentiation-associated [MMD] MugDNA.15918.1.S1_at 4.49 6.03associated [MMD] 4.49 6.03oxidized low density lipoprotein (lectin-like) receptor 1 [OLR1] MugDNA.25334.1.S1_at 3.26 3.04like) receptor 22Y, G-protein MugDNA.33195.1.S1_at 3.64 2.44coupled, 5 [P2RY5] 5platelet/endothelial cell adhesion molecule MmugDNA.28182.1.S1_at 5.33 6.14(CD31) [PECAM1] transforming growth factor, \beta receptor I MmugDNA.9612.1.S1_s_at 3.72 3.37[TGFBR1] toll-like receptor 2 (TLR2) MmuSTS.1204.1.S1_at 4.29 4.90Cytokines and extracellular mediators apolipoprotein L3 [APOL3] MmuSTS.2830.1.S1_at 5.46 6.93chemokine (C-C motif) ligand 3 [CCL3] MmuSTS.2830.1.S1_s_at 5.77 5.01TIMP metallopeptidase inhibitor 1 MmugDNA.5715.1.S1_s_at 3.71 2.61[TIMP1] tumor necrosis factor (ligand) superfamily, MmugDNA.24514.1.S1_s_at 4.75 4.97$	lymphocyte antigen 6 complex locus F	MmugDNA 40394 1 S1_at	3.66	4 69
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	[I Y6F]	MinugD101.40394.1.91_ut	5.00	4.09
$\begin{array}{c} \text{MinugDNA.15716.1.51_at} & 4.77 & 6.03 \\ \text{associated [MMD]} & \text{oxidized low density lipoprotein (lectin-} & \text{MinugDNA.25334.1.S1_at} & 3.26 & 3.04 \\ \text{like) receptor 1 [OLR1]} & \text{mugDNA.33195.1.S1_at} & 3.64 & 2.44 \\ \text{coupled, 5 [P2RY5]} & \text{mugDNA.28182.1.S1_at} & 5.33 & 6.14 \\ \text{(CD31) [PECAM1]} & \text{mugDNA.9612.1.S1_s_at} & 5.33 & 6.14 \\ \text{(CD31) [PECAM1]} & \text{transforming growth factor, } \beta \text{ receptor I} & \text{MmugDNA.9612.1.S1_s_at} & 3.72 & 3.37 \\ [TGFBR1] & \text{toll-like receptor 2 (TLR2)} & \text{MmuSTS.1204.1.S1_at} & 4.29 & 4.90 \\ \hline Cytokines and extracellular mediators \\ apolipoprotein L3 [APOL3] & \text{MmuSTS.2830.1.S1_s_at} & 5.19 & 4.77 \\ \text{interleukin 1, } \beta [IL1B] & \text{MmuSTS.652.1.S1_s_at} & 5.57 & 5.01 \\ \text{TIMP metallopeptidase inhibitor 1} & \text{MmugDNA.24514.1.S1_s_at} & 3.71 & 2.61 \\ [TIMP1] \\ \text{tumor necrosis factor (ligand) superfamily,} & \text{MmugDNA.24514.1.S1_s_at} & 4.75 & 4.97 \\ \end{array}$	monocyte to macrophage differentiation-	MmugDNA 15918 1 S1 at	1 10	6.03
associated [NHD]MmugDNA.25334.1.S1_at3.263.04oxidized low density lipoprotein (lectin- like) receptor 1 [OLR1]MmugDNA.25334.1.S1_at3.263.04purinergic receptor P2Y, G-protein coupled, 5 [P2RY5]MmugDNA.33195.1.S1_at3.642.44coupled, 5 [P2RY5]MmugDNA.28182.1.S1_at5.336.14(CD31) [PECAM1]MmugDNA.9612.1.S1_s_at5.336.14transforming growth factor, β receptor IMmugDNA.9612.1.S1_s_at3.723.37[TGFBR1]MmuSTS.1204.1.S1_at4.294.90Cytokines and extracellular mediators apolipoprotein L3 [APOL3]MmuSTS.2830.1.S1_at5.466.93chemokine (C-C motif) ligand 3 [CCL3]MmuSTS.652.1.S1_s_at5.575.01TIMP metallopeptidase inhibitor 1MmugDNA.5715.1.S1_at3.712.61[TIMP1]tumor necrosis factor (ligand) superfamily, member 13 [TNFSF13]MmugDNA.24514.1.S1_s_at4.754.97	associated [MMD]	WindgDIAA.15916.1.51_at	4.47	0.05
Oxtubed row density inportent (returner information of the control of the contr	ovidized low density linoprotein (lectin	MmugDNA 25334.1.81 at	3.26	3.04
Inke) receptor I [OLK1]MmugDNA.33195.1.S1_at 3.64 2.44 coupled, 5 [P2RY5]platelet/endothelial cell adhesion moleculeMmugDNA.28182.1.S1_at 5.33 6.14 (CD31) [PECAM1]mugDNA.28182.1.S1_s_at 5.33 6.14 transforming growth factor, β receptor IMmugDNA.9612.1.S1_s_at 3.72 3.37 [TGFBR1]musTS.1204.1.S1_s_at 4.29 4.90 <i>Cytokines and extracellular mediators</i> apolipoprotein L3 [APOL3]MmuSTS.2830.1.S1_at 5.46 6.93 chemokine (C-C motif) ligand 3 [CCL3]MmuSTS.652.1.S1_s_at 5.19 4.77 interleukin 1, β [IL1B]MmugDNA.5715.1.S1_s_at 5.7 5.01 TIMP metallopeptidase inhibitor 1MmugDNA.5715.1.S1_s_at 3.71 2.61 [TIMP1]tumor necrosis factor (ligand) superfamily, MmugDNA.24514.1.S1_s_at 4.75 4.97	bits) resenter 1 [OL D1]	WillugDNA.25554.1.51_at	5.20	5.04
purnergic receptor P2 Y, G-proteinMmugDNA.33195.1.51_at 3.64 2.44 coupled, 5 [P2RY5]platelet/endothelial cell adhesion moleculeMmugDNA.28182.1.S1_at 5.33 6.14 (CD31) [PECAM1]transforming growth factor, β receptor IMmugDNA.9612.1.S1_s_at 3.72 3.37 [TGFBR1]toll-like receptor 2 (TLR2)MmuSTS.1204.1.S1_at 4.29 4.90 <i>Cytokines and extracellular mediators</i> apolipoprotein L3 [APOL3]MmuSTS.2830.1.S1_at 5.46 6.93 chemokine (C-C motif) ligand 3 [CCL3]MmuSTS.3571.1.S1_s_at 5.19 4.77 interleukin 1, β [IL1B]MmugDNA.5715.1.S1_st 3.71 2.61 TIMP metallopeptidase inhibitor 1MmugDNA.24514.1.S1_s_at 4.75 4.97 member 13 [TNFSF13]MmugDNA.24514.1.S1_s_at 4.75 4.97	nike) receptor 1 [OLK1]	M	2.64	2.44
coupled, 5 [P2RY5]platelet/endothelial cell adhesion moleculeMmugDNA.28182.1.S1_at 5.33 6.14 (CD31) [PECAM1]transforming growth factor, β receptor IMmugDNA.9612.1.S1_s_at 3.72 3.37 [TGFBR1]toll-like receptor 2 (TLR2)MmuSTS.1204.1.S1_at 4.29 4.90 <i>Cytokines and extracellular mediators</i> apolipoprotein L3 [APOL3]MmuSTS.2830.1.S1_at 5.46 6.93 chemokine (C-C motif) ligand 3 [CCL3]MmuSTS.3571.1.S1_s_at 5.19 4.77 interleukin 1, β [IL1B]MmugDNA.5715.1.S1_s_at 5.57 5.01 TIMP metallopeptidase inhibitor 1MmugDNA.5715.1.S1_at 3.71 2.61 [TIMP1]tumor necrosis factor (ligand) superfamily, MmugDNA.24514.1.S1_s_at 4.75 4.97	purinergic receptor P21, G-protein	MmugDNA.55195.1.51_at	3.04	2.44
platelet/endothenal cell adhesion molecule MmugDNA.28182.1.S1_at 5.33 6.14 (CD31) [PECAM1] transforming growth factor, β receptor I MmugDNA.9612.1.S1_s_at 3.72 3.37 [TGFBR1] toll-like receptor 2 (TLR2) MmuSTS.1204.1.S1_at 4.29 4.90 <i>Cytokines and extracellular mediators</i> apolipoprotein L3 [APOL3] MmuSTS.2830.1.S1_at 5.46 6.93 chemokine (C-C motif) ligand 3 [CCL3] MmuSTS.3571.1.S1_s_at 5.19 4.77 interleukin 1, β [IL1B] MmuSTS.652.1.S1_s_at 5.57 5.01 TIMP metallopeptidase inhibitor 1 MmugDNA.5715.1.S1_at 3.71 2.61 [TIMP1] tumor necrosis factor (ligand) superfamily, MmugDNA.24514.1.S1_s_at 4.75 4.97	coupled, 5 [P2RY5]		5.00	6.1.4
(CD31) [PECAM1]transforming growth factor, β receptor IMmugDNA.9612.1.S1_s_at3.723.37[TGFBR1]toll-like receptor 2 (TLR2)MmuSTS.1204.1.S1_at4.294.90Cytokines and extracellular mediatorsapolipoprotein L3 [APOL3]MmuSTS.2830.1.S1_at5.466.93chemokine (C-C motif) ligand 3 [CCL3]MmuSTS.3571.1.S1_s_at5.194.77interleukin 1, β [IL1B]MmuSTS.652.1.S1_s_at5.575.01TIMP metallopeptidase inhibitor 1MmugDNA.5715.1.S1_at3.712.61[TIMP1]tumor necrosis factor (ligand) superfamily, member 13 [TNFSF13]MmugDNA.24514.1.S1_s_at4.754.97	platelet/endothelial cell adhesion molecule	MmugDNA.28182.1.S1_at	5.33	6.14
transforming growth factor, β receptor IMmugDNA.9612.1.S1_s_at3.723.37[TGFBR1]toll-like receptor 2 (TLR2)MmuSTS.1204.1.S1_at4.294.90Cytokines and extracellular mediatorsapolipoprotein L3 [APOL3]MmuSTS.2830.1.S1_at5.466.93chemokine (C-C motif) ligand 3 [CCL3]MmuSTS.3571.1.S1_s_at5.194.77interleukin 1, β [IL1B]MmugDNA.5715.1.S1_s_at5.575.01TIMP metallopeptidase inhibitor 1MmugDNA.5715.1.S1_at3.712.61[TIMP1]tumor necrosis factor (ligand) superfamily, member 13 [TNFSF13]MmugDNA.24514.1.S1_s_at4.754.97	(CD31) [PECAM1]			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	transforming growth factor, β receptor I	MmugDNA.9612.1.S1_s_at	3.72	3.37
toll-like receptor 2 (TLR2)MmuSTS.1204.1.S1_at 4.29 4.90 Cytokines and extracellular mediatorsapolipoprotein L3 [APOL3]MmuSTS.2830.1.S1_at 5.46 6.93 chemokine (C-C motif) ligand 3 [CCL3]MmuSTS.3571.1.S1_s_at 5.19 4.77 interleukin 1, β [IL1B]MmuSTS.652.1.S1_s_at 5.57 5.01 TIMP metallopeptidase inhibitor 1MmugDNA.5715.1.S1_at 3.71 2.61 [TIMP1]tumor necrosis factor (ligand) superfamily, member 13 [TNFSF13]MmugDNA.24514.1.S1_s_at 4.75 4.97	[TGFBR1]			
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	toll-like receptor 2 (TLR2)	MmuSTS.1204.1.S1_at	4.29	4.90
$ \begin{array}{cccc} apolipoprotein L3 [APOL3] & MmuSTS.2830.1.S1_at & 5.46 & 6.93 \\ chemokine (C-C motif) ligand 3 [CCL3] & MmuSTS.3571.1.S1_s_at & 5.19 & 4.77 \\ interleukin 1, \beta [IL1B] & MmuSTS.652.1.S1_s_at & 5.57 & 5.01 \\ TIMP metallopeptidase inhibitor 1 & MmugDNA.5715.1.S1_at & 3.71 & 2.61 \\ [TIMP1] & tumor necrosis factor (ligand) superfamily, & MmugDNA.24514.1.S1_s_at & 4.75 & 4.97 \\ member 13 [TNFSF13] & \end{array} $	Cytokines and extracellular mediators			
	apolipoprotein L3 [APOL3]	MmuSTS.2830.1.S1_at	5.46	6.93
interleukin 1, β [IL1B]MmuSTS.652.1.S1_s_at5.575.01TIMP metallopeptidase inhibitor 1MmugDNA.5715.1.S1_at3.712.61[TIMP1]tumor necrosis factor (ligand) superfamily, member 13 [TNFSF13]MmugDNA.24514.1.S1_s_at4.754.97	chemokine (C-C motif) ligand 3 [CCL3]	MmuSTS.3571.1.S1_s_at	5.19	4.77
TIMP metallopeptidase inhibitor 1MmugDNA.5715.1.S1_at3.712.61[TIMP1]tumor necrosis factor (ligand) superfamily, member 13 [TNFSF13]MmugDNA.24514.1.S1_s_at4.754.97	interleukin 1, β [IL1B]	MmuSTS.652.1.S1_s_at	5.57	5.01
[TIMP1] tumor necrosis factor (ligand) superfamily, MmugDNA.24514.1.S1_s_at 4.75 4.97 member 13 [TNFSF13]	TIMP metallopeptidase inhibitor 1	MmugDNA.5715.1.S1 at	3.71	2.61
tumor necrosis factor (ligand) superfamily, MmugDNA.24514.1.S1_s_at 4.75 4.97 member 13 [TNFSF13]	[TIMP1]			
member 13 [TNFSF13]	tumor necrosis factor (ligand) superfamily	MmugDNA.24514.1.S1 s at	4.75	4.97
	member 13 [TNFSF13]	<i>C</i> <u> </u>		

Supplemental Table 1. Genes strongly expressed in both CD14^{high}CD16^{low} and CD14^{low}CD16^{high} versus CD14^{high}CD16⁻

Enzymes			
adenosine deaminase [ADA]	MmugDNA.17218.1.S1_at	5.46	6.80
caspase 3, apoptosis-related cysteine peptidase [CASP3]	MmugDNA.6342.1.S1_at	6.23	8.06
cathepsin C [CTSC]	MmugDNA.38162.1.S1_at	6.08	5.75
cathepsin D (lysosomal aspartyl peptidase) [CTSD]	MmugDNA.35516.1.S1_at	3.66	4.44
cathepsin S [CTSS]	MmugDNA.24863.1.S1_at	6.33	6.68
indoleamine-pyrrole 2,3 dioxygenase [INDO]	MmugDNA.18432.1.S1_at	7.95	8.16
lysozyme [LYZ]	MmugDNA.22297.1.S1_at	8.79	8.48
phosphodiesterase 4B [PDE4B]	MmugDNA.22024.1.S1_at	2.76	2.72
superoxide dismutase 2, mitochondrial [SOD2]	MmugDNA.24030.1.S1_at	6.70	6.78
Signaling molecules and transcription factors			
CCAAT/enhancer binding protein (C/EBP), β [CEBPB]	MmugDNA.9809.1.S1_at	6.22	6.09
forkhead box O1A [FOXO1A]	MmugDNA.41363.1.S1_at	4.38	4.27
forkhead box O3A [FOXO3A]	MmugDNA.42021.1.S1_at	6.60	6.85
forkhead box P1 [FOXP1]	MmugDNA.27089.1.S1_at	3.35	4.36
interferon, α -inducible protein (clone IFI- 15K) [G1P2]	MmugDNA.17118.1.S1_at	4.93	4.95
growth arrest and DNA-damage-inducible, β [GADD45B]	MmugDNA.30178.1.S1_s_at	7.75	7.30
hypoxia-inducible factor 1, α subunit [HIF1A]	MmugDNA.17998.1.S1_at	6.25	5.01
interferon regulatory factor 8 [IRF8]	MmugDNA.8826.1.S1_at	4.91	5.47
interferon-stimulated transcription factor 3, γ [ISGF3G]	MmugDNA.36516.1.S1_at	3.65	3.47
v- <i>maf</i> musculoaponeurotic fibrosarcoma oncogene homolog B [MAFB]	MmugDNA.32362.1.S1_at	4.83	4.44
myxovirus (influenza virus) resistance 1 [MX1]	MmuSTS.3006.1.S1_at	4.86	6.27
myeloid differentiation primary response gene (88) [MYD88]	MmugDNA.10008.1.S1_at	5.67	6.15
nuclear factor of κ light polypeptide gene enhancer in B-cells inhibitor, α [NFKBIA]	MmugDNA.23424.1.S1_at	5.93	6.46
proliferating cell nuclear antigen [PCNA]	MmugDNA.865.1.S1_at	4.07	5.40
signal transducer and activator of transcription 1 [STAT1]	MmugDNA.23497.1.S1_at	4.60	4.84
tumor necrosis factor, α -induced protein 3 [TNFAIP3]	MmugDNA.40138.1.S1_at	7.46	7.85

The table lists a selection of genes specifically associated with both CD16^+ monocyte subpopulations. Specific genes are defined as genes that were expressed >4 ($2\log_2$) fold greater with P < 0.05 than those in the $\text{CD14}^{\text{high}}\text{CD16}^-$ subpopulation.

Gene Name	Probe Set ID	$Log_2 Ratio$	Log ₂ Ratio	
		CD14 ^{high} CD16 ⁻	CD14 ^{low} CD16 ^{high}	
adenosine A2b receptor [ADORA2B]	MmugDNA.35810.1.S1_at	2.61	3.06	
chemokine (C-C motif) receptor 1 [CCR1]	MmugDNA.20995.1.S1_at	6.47	2.82	
chemokine (C-C motif) receptor 2 [CCR2]	MmugDNA.36749.1.S1_at	5.72	3.87	
chemokine (C-C motif) receptor 5 [CCR5]	MmuSTS.1981.1.S1_at	2.29	2.24	
CD36 [CD36]	MmugDNA.21439.1.S1_at	3.58	2.88	
chemokine (C-X-C motif) ligand 9 [CXCL9]	MmuSTS.4003.1.S1_at	2.37	2.75	
Fc fragment of IgG, low affinity IIa, receptor (CD32) [FCGR2A]	MmugDNA.35261.1.S1_at	2.56	2.29	
Fc fragment of IgG, low affinity IIc, receptor (CD32) [FCGR2C]	MmugDNA.23544.1.S1_s_at	6.87	2.63	
fibronectin 1 [FN1]	MmugDNA.29987.1.S1_at	3.22	4.13	
interleukin 13 receptor, α 1 [IL13RA1]	MmugDNA.28810.1.S1_at	5.10	2.35	
interleukin 1 receptor, type II [IL1R2]	MmugDNA.28534.1.S1_at	5.03	3.11	
matrix metallopeptidase 1 [MMP1]	MmuSTS.921.1.S1_at	5.50	6.04	
macrophage scavenger receptor 1 [MSR1]	MmugDNA.42499.1.S1_at	2.93	2.18	
runt-related transcription factor 2 [RUNX2]	MmugDNA.9398.1.S1_at	3.97	2.48	
S100 calcium-binding protein A9 (myeloid related protein14, MAC387) [S100A9]	MmuSTS.2130.1.S1_s_at	2.61	2.56	
syndecan 2 [SDC2]	MmugDNA.22062.1.S1_at	7.48	3.04	
serpin peptidase inhibitor, clade B, member 2 [SERPINB2]	MmugDNA.334.1.S1_at	2.39	5.69	
triggering receptor expressed on myeloid cells 1 [TREM1]	MmugDNA.9703.1.S1_at	4.07	5.45	

Supplemental Table 2.	Genes strongly	expressed in	CD14 ^{high} C	CD16 ^{low}	versus b	both CD14 ^h	^{iigh} CD16 ⁻	and
CD14 ^{low} CD16 ^{high}	01	1						

The table shows 18 unique known genes that were strongly, specifically expressed in the $CD14^{high}CD16^{low}$ subpopulation.

Gene Name	Probe Set ID	Log ₂ Ratio CD14 ^{low} CD16 ^{high} /	Log ₂ Ratio CD14 ^{low} CD16 ^{high} /	
		CD14 ^{high} CD16 ⁻	CD14 ^{high} CD16 ^{low}	
chemokine (C-C motif) ligand 5 [CCL5]	MmugDNA.43376.1.S1_s_at	5.39	4.86	
CD47 [CD47]	MmugDNA.36982.1.S1_at	2.18	2.07	
cystatin F [CST7]	MmugDNA.6381.1.S1_at	6.25	4.52	
chemokine (C-X3-C motif) receptor 1	MmugDNA.6875.1.S1_at	6.35	4.69	
[CX3CR1]				
granzyme A [GZMA]	MmugDNA.36434.1.S1_at	5.30	6.59	
granzyme B [GZMB]	MmugDNA.14204.1.S1_at	3.62	6.74	
granzyme H [GZMH]	MmugDNA.2086.1.S1_at	3.91	6.28	
granzyme K [GZMK]	MmugDNA.17084.1.S1_at	5.87	5.62	
interferon induced transmembrane	MmugDNA.5697.1.S1_s_at	9.28	5.56	
protein 1 (9-27) [IFITM1]				
interleukin 2 receptor, β [IL2RB]	MmugDNA.20381.1.S1_at	4.06	3.82	
lymphotoxin β [LTB]	MmugDNA.40364.1.S1_at	6.60	2.49	
perforin 1 [PRF1]	MmugDNA.14985.1.S1_at	3.11	2.97	
tumor necrosis factor ligand superfamily, member 10 (TRAIL) [TNFSF10]	MmugDNA.30129.1.S1_at	2.57	2.00	

Supplemental Table 3. Genes strongly expressed in CD14^{low}CD16^{high} versus both CD14^{high}CD16⁻ and CD14^{high}CD16^{low}

The table shows 13 unique known genes that were strongly, specifically expressed in the $CD14^{low}CD16^{high}$ subpopulation.