

Supplementary materials

Table S1.

Abbreviation of the proteins	Name of the proteins	Protein level (AU) %			
		PRP	HAS	Serum	Plasma
Activin A	Activin A	1.63	1.37	2.17	2.60
ADAMTS-1	A disintegrin and metalloproteinase with thrombospondin motifs 1	0.10	0.00	0.00	0.00
Adiponectin	Adiponectin	13.16	15.41	8.07	8.49
ACN	Aggrecan	11.48	10.38	4.93	5.49
ANG	Angiogenin	37.28	22.26	19.65	20.73
Ang-1	Angiogenin-1	4.95	2.39	14.26	0.30
Ang-2	Angiogenin-2	0.30	0.03	0.00	0.05
ANGPT1	Angiopoietin-1	5.05	2.98	0.95	0.31
ANGPT2	Angiopoietin-2	0.00	0.37	0.04	0.14
Angiostatin/Plasminogen	Angiostatin/Plasminogen	0.64	0.29	0.32	0.72
AR	Androgen receptor	0.00	0.00	0.00	0.02
Artemin	Artemin	0.03	0.00	0.01	0.00
Average Reference Spots	Average Reference Spots	16.08	16.08	16.08	16.08
BAFF	B-cell activating factor	6.95	6.70	1.67	1.61
BDNF	Brain-derived neurotrophic factor	15.89	0.62	1.40	0.24
C5/C5a	Complement component 5/Complement component 5a	8.01	5.88	0.74	0.35
CD14	Cluster of differentiation 14	7.88	3.85	0.56	0.43
CD30	Cluster of differentiation 30	0.00	0.28	0.18	0.13
CD40 Ligand/TNFSF5	Cluster of differentiation 4 Ligand	5.40	1.26	0.28	0.17
CFD	Complement factor D	11.62	13.33	6.49	6.52
CHI3L1	Chitinase 3-like protein 1	15.52	17.37	13.43	13.81
Cripto-1	Epidermal growth factor-Cripto-FRL1-Cryptic	0.00	0.35	0.15	0.21
CRP	C-reactive protein	14.42	18.43	11.92	14.17
CXCL16	Chemokine (C-X-C motif) ligand 16	19.84	13.25	11.86	13.03
Cystatin C	Cystatin C	9.96	8.58	2.93	2.30
Dkk-1	Dickkopf-related protein 1	11.76	0.97	0.24	0.11
DPPIV	Dipeptidyl peptidase IV.	14.90	9.58	11.14	11.88
EGF	Epidermal growth factor	12.83	0.37	0.08	0.17
EG-VEGF	Endocrine-gland-derived vascular endothelial growth factor	0.00	0.06	0.01	0.01
EMMPRIN	Expression of extracellular matrix metalloproteinase inducer	13.56	8.74	3.05	3.82
ENA-78	Epithelial cell-derived neutrophil-activating peptide 78	12.36	7.98	0.94	0.88
ENG	Endoglin	10.99	11.43	4.38	4.32
Endostatin/Collagen XVIII	Endostatin/Collagen XVIII	0.75	4.86	6.54	10.11
ET-1	Endothelin-1	0.00	0.05	0.00	0.09
FASL	Fas Ligand	0.00	0.70	0.15	0.40
FGF basic	Fibroblast growth factor basic	0.00	1.96	0.32	0.59

FGF-1	Fibroblast growth factor 1	0.13	0.02	0.00	0.08
FGF-19	Fibroblast growth factor 19	3.49	1.00	0.23	0.11
FGF-2	Fibroblast growth factor 2	0.00	0.00	0.00	0.00
FGF-4	Fibroblast growth factor 4	0.00	0.02	0.00	0.00
FGF-7	Fibroblast growth factor 7	0.07	0.01	0.00	0.03
FLT3L	FMS-like tyrosine kinase 3 ligand	0.00	0.34	0.02	0.00
G-CSF	Granulocyte colony-stimulating factor	0.00	0.40	0.00	0.05
GDF-15	Growth differentiation factor 15	3.87	1.89	0.01	0.37
GDNF	Glial cell line-derived neurotrophic factor	0.00	0.00	0.00	0.00
GH	Growth hormone	0.00	0.04	0.01	0.04
GM-CSF	Granulocyte-macrophage colony-stimulating factor	0.00	0.04	0.00	0.01
CXCL-1/GRO-a	Hemokine (C-X-C motif) ligand/Growth-regulated alpha protein	3.40	0.08	0.02	0.00
HB-EGF	Heparin binding EGF-like growth factor	6.58	0.06	0.17	0.00
HGF	Hepatocyte growth factor	0.05	0.00	0.00	0.00
ICAM-1	Intercellular Adhesion Molecule 1	6.57	4.22	0.39	0.53
IFNγ	Interferon gamma	0.00	0.16	0.03	0.03
IGFBP-1	Insulin-like growth factor-binding protein 1	37.07	14.55	13.95	14.53
IGFBP-2	Insulin-like growth factor-binding protein 2	18.65	9.23	10.56	13.11
IGFBP-3	Insulin-like growth factor-binding protein 2	25.27	16.14	14.33	16.55
IL-10	Interleukine 10	0.00	0.00	0.02	0.03
IL-11	Interleukine 11	0.00	0.61	0.00	0.06
IL-12 p70	Interleukine 12	0.00	0.42	0.03	0.02
IL-13	Interleukine 13	0.00	0.09	0.03	0.02
IL-15	Interleukine 15	0.00	0.05	0.00	0.00
IL-16	Interleukine 16	4.12	0.06	0.09	0.01
IL-17a	Interleukine 17	2.79	1.07	0.06	0.21
IL-18 Bpa	Interleukine 18	1.61	1.18	0.02	0.04
IL-19	Interleukine 19	2.57	0.00	0.03	0.04
IL-1α	Interleukine 1 alpha	0.00	0.22	0.00	0.04
IL-1β	Interleukine 1 beta	0.00	0.00	0.00	0.00
IL-1RA	Interleukine 1 receptor antagonist	9.47	0.25	0.01	0.00
IL-2	Interleukine 2	0.00	0.09	0.00	0.00
IL-22	Interleukine 22	0.00	0.07	0.02	0.01
IL-23	Interleukine 23	0.00	0.19	0.00	0.05
IL-24	Interleukine 24	0.00	0.10	0.10	0.00
IL-3	Interleukine 3	1.12	0.00	0.00	0.00
IL-31	Interleukine 31	0.00	0.00	0.01	0.07
IL-32$\alpha/\beta/\gamma$	Interleukine 32	0.00	0.05	0.09	0.00
IL-33	Interleukine 33	0.00	0.01	0.02	0.05
IL-34	Interleukine 34	0.00	0.15	0.02	0.03
IL-37	Interleukine 37	0.00	0.14	0.00	0.07
IL-4	Interleukine 4	0.00	0.00	0.01	0.00
IL-5	Interleukine 5	0.00	0.16	0.02	0.00
IL-6	Interleukine 6	0.00	0.04	0.00	0.13
IL-8	Interleukine 8	0.07	0.00	0.00	0.04

IP-40	Interferon gamma inducible protein 40	6.21	1.09	0.09	0.08
I-TAC/CXCL-11	Interferon-inducible T-cell alpha chemoattractant/ Chemokine (C-X-C motif) ligand 11	0.00	0.10	0.00	0.02
KLK3	kallikrein related peptidase 3	4.27	0.81	0.09	0.00
LAP(TGF-β1)	Latency-associated peptide (Transforming growth factor beta 1)	25.20	0.00	0.02	0.00
Leptin	Leptin	13.13	12.66	13.53	13.74
LIF	Leukemia inhibitory factor	0.00	0.04	0.00	0.00
LCN2	Lipocalin-2	12.07	13.31	8.43	5.35
MCP-1/CCL-2	Monocyte chemoattractant protein-1/C-C motif chemokine ligand 2	0.00	0.00	0.00	0.01
MCP-3/CCL-7	Monocyte chemoattractant protein-3/C-C motif chemokine ligand 7	0.00	0.07	0.05	0.00
M-CSF	Macrophage colony-stimulating factor	0.00	0.01	0.02	0.00
MIF	Macrophage migration inhibitory factor	8.23	4.17	0.74	0.68
CXCL-9/MIG	Monokine induced by gamma/ Chemokine (C-X-C motif) ligand 9	0.00	0.10	0.01	0.00
CCL-3/MIP-1α	Chemokine (C-C motif) ligand 3/ macrophage inflammatory protein 1-alpha	0.07	0.01	0.04	0.07
MIP-1α (CCL-4)	(CCL-3)/MIP-1β Chemokine (C-C motif) ligand 3/ macrophage inflammatory protein 1-alpha/Chemokine (C-C motif) ligand 4/ macrophage inflammatory protein 1-beta	0.00	0.00	0.25	0.07
MIP-3α/CCL-20	Chemokine (C-C motif) ligand 20/ macrophage inflammatory protein 3-alpha	0.00	0.00	0.00	0.00
MIP-3β/CCL-19	Chemokine (C-C motif) ligand 19/ macrophage inflammatory protein 3-alpha	0.00	0.50	0.06	0.03
MMP-8	Matrix metalloproteinase 8	1.96	1.50	6.06	1.39
MMP-9	Matrix metalloproteinase 9	23.92	15.71	19.34	17.07
MPO	Myeloperoxidase	0.00	0.34	0.03	0.06
NRG1-β1	Human Neuregulin-1 beta 1	0.00	0.00	0.04	0.00
OPN	Osteopontin	6.40	1.60	0.42	0.83
PD-ECGF	Platelet-derived endothelial cell growth factor	0.04	0.07	0.04	0.02
PDGF-AA	Platelet-derived growth factor AA	16.10	13.61	15.74	6.53
PDGF-AA/AB	Platelet-derived growth factor AA/AB	16.47	12.88	12.34	2.52
Persephin	Persephin	0.04	0.05	0.00	0.00
PF4	Platelet factor 4	0.00	3.59	2.06	13.71
PIGF	Phosphatidylinositol-glycan biosynthesis class F protein	0.09	0.02	0.00	0.00
Prolactin	Prolactin	16.32	9.95	12.57	11.57
PTX 3	Pentraxin-3	6.97	1.77	4.28	3.72
RAGE	Receptor for Advanced Glycation Endproducts	0.00	0.46	0.09	0.26
RANTES/CCL-5	Regulated on activation, normal T cell expressed and secreted/Chemokine (C-C motif) ligand 5	10.07	11.29	6.50	5.43
RBP4	Retinol binding protein 4	18.21	18.20	20.90	17.71
RLN2	Relaxin-2	0.00	0.16	0.02	0.08
Resistin	Resistin	17.56	9.42	2.50	1.68
SDF-1a	Stromal cell-derived factor-1	5.74	1.42	0.25	0.15
Serpin B5	Serpin family B member 5	0.00	0.00	0.00	0.00
Serpin E1	Serpin family E member 1	5.14	21.37	18.32	18.01

Serpin F1	Serpin family F member 1	0.05	0.00	0.01	0.04
SHBG	Sex hormone binding globulin	8.31	5.60	1.80	1.86
ST2	Suppression of tumorigenicity 2	6.15	4.99	1.22	1.65
TARC/CCL-17	Thymus and activation regulated chemokine/Chemokine (C-C motif) ligand 17	10.67	0.81	0.24	0.18
TF	Transferrin	0.00	0.00	0.00	0.09
TFF3	Trefoil factor 3	8.76	5.31	1.18	1.83
TfR	Transferrin Receptor	0.00	0.69	0.28	0.30
TGF-α	Transforming growth factor alpha	0.00	0.06	0.07	0.12
THBS1	Thrombospondin-1	0.00	3.49	0.92	9.63
THBS2	Thrombospondin-2	0.10	0.14	0.11	0.00
TIMP-1	Tissue inhibitor of metalloproteinase 1	23.13	24.26	21.31	20.46
TIMP-4	Tissue inhibitor of metalloproteinase 4	35.95	21.25	20.46	18.59
TNF-α	Tumor necrosis factor alpha	0.00	0.45	1.32	1.41
Upa	Urokinase-type plasminogen activator	3.83	3.48	5.37	5.33
Upar	Urokinase-type plasminogen activator receptor	6.41	0.79	0.10	0.06
VASH1	Vasohibin	0.13	0.02	0.00	0.00
VEGF	Vascular Endothelial Growth Factor	11.49	1.51	5.25	1.93
VEGF-C	Vascular Endothelial Growth Factor C	0.03	0.00	0.00	0.00
Vitamin D BP	Vitamin D binding protein	2.87	13.27	0.00	0.13