

Supplementary Table 1. Antibodies included on microarray

<i>Antigen</i>	<i>Full name</i>	<i>No of scFvs</i>	<i>Antigen</i>	<i>Full name</i>	<i>No of scFvs</i>
AGAP-2	Arf-GAP with GTPase, ANK repeat and PH-dom.-containing protein 2	4	KRAS	GTPase KRAS	1
Apo-A1	Apolipoprotein A1	3	KSYK	Tyrosine-protein kinase SYK	2
Apo-A4	Apolipoprotein A4	3	LDL	Low-density Lipoprotein	2
ATP-5B	ATP synthase subunit beta	3	Leptin	Leptin	1
BTK	Tyrosine-protein kinase BTK	4	Lewis x	Lewis x	2
C1 inh.	C1 esterase inhibitor	4	Lewis y	Lewis y	1
C1q*	Complement C1q	1	LUM	Lumican	1
C1s	Complement C1s	1	MAD2L-1	Mitotic arrest deficient 2-like protein 1	3
C3*	Complement C3	6	MAP2K-2	Mitogen-activated protein kinase kinase 2	3
C4*	Complement C4	4	MAP2K-6	Mitogen-activated protein kinase kinase 6	4
C5*	Complement C5	3	MAPK-1	Mitogen-activated protein kinase 1	4
CD40	CD40 protein	4	MAPK-8	Mitogen-activated protein kinase 8	3
CD40L	CD40 ligand	1	MAPK-9	Mitogen-activated protein kinase 9	6
CDK-2	Cyclin-dependent kinase 2	2	MATK	Megakaryocyte-associated tyrosine-protein kinase	3
CHP-1	Calcineurin B homologous protein 1	2	MCP-1*	Monocyte chemotactic protein 1	9
CHX-10	Visual system homeobox 2	3	MCP-3	Monocyte chemotactic protein 3	7
CIMS-10	Selection motif TEEQLK	1	MCP-4	Monocyte chemotactic protein 4	3
CIMS-13	Selection motif SSAYSR	1	MUC-1	Mucin 1	6
CIMS-5	Selection motif WTRNSNMNYWLIIRL	1	Myom-2	Myomesin-2	2
CK19	Cytokeratin 19	3	NDC80	Kinetochore protein NDC80 homolog	3
CT17	Cholera toxin subunit B	1	ORP-3	Oxysterol-binding protein-related protein 3	2
CystC	Cystatin C	4	OSTP	Osteopontin	3
Digoxin	Digoxin	1	P85A	PI3-kinase subunit p85-alpha	3
DUSP-9	Dual specificity protein phosphatase 9	1	PAK-7	Serine/threonine-protein kinase PAK 7	3
EGFR	Epidermal growth factor receptor	1	PAR-6B	Partitioning defective 6 homolog beta	2
Eotaxin	Eotaxin	3	PARP-1	Poly [ADP-ribose] polymerase 1	1
ErbB-2	Receptor tyrosine-protein kinase erbB-2	4	PGAM-5	Phosphoglycerate mutase family member 5	4
Factor B*	Complement factor B	4	PKB gamma	RAC-gamma serine/threonine-protein kinase	2
FASN	Fatty acid synthase	4	PRD-14	PR domain zinc finger protein 14	5
GAK	Cyclin G-associated kinase	3	Procathepsin W	Procathepsin W	1
GEM	GTP-binding protein GEM	2	Properdin*	Properdin	1
GLP-1	Glucagon-like peptide-1	1	PSA	Prostate-specific antigen	1
GM-CSF	Granulocyte-macrophage colony-stimulating factor	6	PTK-6	Protein-tyrosine kinase 6	1
GNAI-3	Guanine nucleotide-binding protein G(k) subunit alpha	4	PTPN-1	Tyrosine-protein phosphatase non-receptor type 1	3
GRIP-2	Glutamate receptor-interacting protein 2	8	PTPRJ	Protein-tyrosine phosphatase receptor type J	8
HADH-2	3-hydroxyacyl-CoA dehydrogenase type-2	4	PTPRK	Protein-tyrosine phosphatase kappa	8
HLA-DR/DP	HLA-DR/DP	1	PTPRO	Protein tyrosine phosphatase U2	4
ICAM-1	Intercellular adhesion molecule 1	1	PTPRT	Protein tyrosine phosphatase rho	3
IFN-g	Interferon gamma	3	RANTES	RANTES	3
IgM	Immunoglobulin M	5	RPS6KA2	Ribosomal protein S6 kinase alpha-2	3
IL-10*	Interleukin 10	3	Sialle x	Sialyl Lewis x	1
IL-11	Interleukin 11	3	Sox11A	Transcription factor SOX-11	1
IL-12*	Interleukin 12	4	SPDLY-1	Spindly	2
IL-13*	Interleukin 13	3	STAP-2	Signal-transducing adaptor protein 2	4
IL-16	Interleukin 16	3	STAT-1	Signal transducer and activator of transcription 1-alpha/beta	2
IL-18	Interleukin 18	3	TBC1D-9	TBC1 domain family member 9	3
IL-1a*	Interleukin 1 alpha	3	TENS-4	Tensin 4	1
IL-1b	Interleukin 1 beta	3	TGF-b1	Transforming growth factor beta-1	3
IL-1ra	Interleukin-1 receptor antagonist protein	3	TM peptide	Transmembrane peptide	1
IL-2	Interleukin 2	3	TNF-a	Tumor necrosis factor	3
IL-3	Interleukin 3	3	TNF-b*	Lymphotoxin-alpha	4
IL-4*	Interleukin 4	4	TNFRSF-14	Tumor necrosis factor receptor superfamily member 14	2
IL-5*	Interleukin 5	3	TNFRSF-3	Tumor necrosis factor receptor superfamily member 3	3
IL-6*	Interleukin 6	4	TOPBP-1	DNA topoisomerase 2-binding protein 1	2
IL-7	Interleukin 7	2	UBC-9	Ubiquitin carrier protein 9	3
IL-8*	Interleukin 8	3	UBE2C	Ubiquitin-conjugating enzyme E2 C	2
IL-9	Interleukin 9	3	UCHL5	Ubiquitin carboxyl-terminal hydrolase isozyme L5	1
Integrin a-10	Integrin alpha-10	1	UPF3B	Regulator of nonsense transcripts 3B	2
Integrin a-11	Integrin alpha-11	1	USP-7	Ubiquitin-specific-processing protease 7	4
JAK3	Tyrosine-protein kinase JAK3	1	VEGF*	Vascular endothelial growth factor	4

*Specificity determined by protein arrays, cytokine arrays, ELISA, blocking/spiking experiments and/or mass spectrometry.