

Gene symbol	Antibody Name	Fold change		Log(2) ratio	Fold	Color	RGB
		HumaTein Essential/Matrigel					
CCL21	6Ckine	0.063					
INHBA	Activin A	0.088		>3.321928095	>10		150.5.1
INHBB	Activin B	0.426		>2.9068906	>7.5		200.7.2
INHBC	Activin C	0.613		>2.321928095	>5		250.8.2
ACVR1	Activin RIA / ALK-2	0.068		>1.5849625	>3		253.52.47
ACVR1B	Activin RIB / ALK-4	0.117		>1	>2		253.102.98
ACVR2B	Activin RII A/B	0.311		>0.8073549	>1.75		254.152.148
ACVR2A	Activin RIIA	0.111		>0.584962501	>1.5		255.202.201
ADIPOQ	Adiponectin/ACRP30	0.181		>0.3219281	>1.25		255.230.229
AGRP	AGRP	0.071		0	1		255.255.255
ALCAM	ALCAM	0.030		<-0.3219281	<0.8		232.229.255
ANG	ANG	0.220		<-0.584962501	<0.6666666		205.205.205
ANGPT1	ANG-1	0.164		<-0.8073549	<0.5714286		152.162.254
ANGPT2	ANG-2	0.116		<-1	<0.5		88.104.254
ANGPT4	Angiopoietin-4	0.329		<-1.5849625	<0.3333333		39.59.253
ANGPTL1	Angiopoietin-like 1	0.098		<-2.321928095	<0.2		2.25.244
ANGPTL2	Angiopoietin-like 2	0.104		<-2.9068906	<0.1333333		1.14.137
ANGPTL7	Angiopoietin-like 7	1.000		<-3.321928095	<0.1		1.9.83
PLG	Angiostatin	0.151					
APLNR	APJ	0.363					
TNFSF13	APRIL	0.407					
AREG	Amphiregulin	0.300					
ARTN	Artemin	0.045					
AXL	Axl	0.077					
CD80	B7-1 (CD80)	120.522					
TNFRSF13C	BAFF R / TNFRSF13C	0.069					
TNFRSF17	BCMA / TNFRSF17	129.524					
DEFB1	BD-1	0.258					
BDNF	BDNF	0.108					
CTNNB1	beta-Catenin	0.247					
BAX	BAX	0.121					
NGF	beta-NGF	0.117					
BIK	BIK	0.863					
CXCL13	BLC	0.135					
BMP2	BMP-2	0.593					
BMP3	BMP-3	0.761					
GDF10	BMP-3b / GDF-10	0.472					
BMP4	BMP-4	9.336					
BMP5	BMP-5	0.059					
BMP6	BMP-6	0.833					
BMP7	BMP-7	0.088					
BMP8B	BMP-8	0.083					
BMP15	BMP-15	0.107					
BMPR1A	BMPR-IA / ALK-3	0.164					
BMPR1B	BMPR-IB / ALK-6	0.143					
BMPR2	BMPR-II	0.082					
BTC	BTC	0.120					
CTF1	CT-1	0.146					
CCL14	CCL14 / HCC-1 / HCC-3	0.200					
CCL28	CCL28	0.214					
CCR1	CCR1	0.181					
CCR2	CCR2	319.559					
CCR3	CCR3	0.083					
CCR4	CCR4	0.096					
CCR5	CCR5	29.005					
CCR6	CCR6	0.054					
CCR7	CCR7	1.173					
CCR8	CCR8	62.511					
CCR9	CCR9	0.054					
CD14	CD14	1.042					
CD27	CD27	0.105					
TNFRSF8	CD30	0.086					
TNFSF8	CD30 Ligand / TNFSF8	0.443					
CD40	CD40	0.290					
CD40LG	CD40 Ligand	0.135					
CD163	CD 163	56.585					
CER1	Cerberus 1	212.039					
RARRES2	Chem R23	0.064					
CHRDL1	Chordin-Like 1	0.029					
CHRDL2	Chordin-Like 2	0.124					
CLC	CLC	0.115					
CNTF	CNTF	0.200					
CNTFR	CNTF R alpha	0.123					
F3	Coagulation Factor III / Tissue Factor	5.501					
CRIM1	CRIM 1	0.104					
TDGF1	Cripto-1	0.281					
PTGDR2	CRTH-2	0.036					

CFC1	Cryptic	0.135
CSK	CSK	37.007
CCL27	CTACK	0.093
CTGF	CTGF / CCN2	0.328
CTLA4	CTLA-4 / CD152	0.191
BMPER	CV-2 / Crossveinless-2	0.078
CXCL14	CXCL14 / BRAK	9.987
CXCL16	CXCL16	0.052
CXCR1	CXCR1 / IL-8 RA	0.135
CXCR2	CXCR2 / IL-8 RB	0.143
CXCR3	CXCR3	0.186
CXCR4	CXCR4 (fusin)	358.067
CXCR5	CXCR5 (BLR-1)	0.192
CXCR6	CXCR6	0.434
ACKR2	D6	81.015
NBL1	DAN	8.501
FBLN5	DANCE	0.040
TNFRSF6B	DcR3 / TNFRSF6B	0.091
DCN	Decorin	0.162
DKK1	Dkk-1	0.242
DKK3	Dkk-3	0.046
DKK4	Dkk-4	0.127
TNFRSF25	DR3 / TNFRSF25	0.165
TNFRSF21	DR6 / TNFRSF21	0.000
TYRO3	Dtk / TYRO3	0.182
EDA	EDA-A2	4679.872
EDAR	EDAR	0.021
S1PR1	EDG-1	0.197
EGF	EGF	0.082
EGFR	EGF R / ErbB1	0.016
PROK1	EG-VEGF / PK1	0.006
EML2	EMAP-II / EML2	0.086
CXCL5	ENA-78	0.130
ESM1	Endocan	1.000
ENG	Endoglin / CD105	0.103
COL18A1	Endostatin	0.112
EDN1	Endothelin	0.194
S100A12	EN-RAGE	0.001
CCL11	Eotaxin-1 (CCL11)	0.358
CCL24	Eotaxin-2	0.306
CCL26	Eotaxin-3	0.227
EREG	Epiregulin	0.200
ERBB2	ErbB2	0.160
ERBB3	ErbB3	0.086
ERBB4	ErbB4	0.135
EPO	Epo	0.087
SELE	E-selectin	0.184
FADD	FADD	1.000
FAM3B	FAM3B	0.047
FAS	Fas / TNFRSF6	0.560
FASLG	FasL	1.177
FGF2	FGF Basic / bFGF	0.052
FGFBP1	FGF-BP	0.055
FGFR3	FGF R3	0.095
FGFR4	FGF R4	0.094
FGFRL1	FGF R5	0.073
FGF4	FGF-4	0.175
FGF5	FGF-5	0.158
FGF6	FGF-6	0.117
FGF7	FGF-7 (KGF)	0.572
FGF8	FGF-8	95.518
FGF9	FGF-9	0.252
FGF10	FGF-10 / KGF-2	0.184
FGF11	FGF-11	0.279
FGF12	FGF-12	162.030
FGF13	FGF-13 1B	0.050
FGF16	FGF-16	0.184
FGF17	FGF-17	0.039
FGF18	FGF-18	0.055
FGF19	FGF-19	0.292
FGF20	FGF-20	0.108
FGF21	FGF-21	0.289
FGF23	FGF-23	0.086
FSTL3	FLRG	1.000
FLT3	Flt-3 Ligand	0.102
FST	Follistatin	0.098
FSTL1	Follistatin-like 1	0.106
CX3CL1	Fractalkine	1.000
FZD1	Frizzled-1	0.094

FZD3	Frizzled-3	0.149
FZD4	Frizzled-4	0.146
FZD5	Frizzled-5	48.509
FZD6	Frizzled-6	0.002
FZD7	Frizzled-7	0.189
LGALS3	Galectin-3	0.021
WFIKKN2	GASP-1 / WFIKKNRP	0.116
WFIKKN1	GASP-2 / WFIKKN	0.075
CXCL6	GCP-2	0.233
CSF3	G-CSF	0.132
CSF3R	G-CSF R / CD 114	93.517
GDF1	GDF1	0.099
GDF3	GDF3	0.216
GDF5	GDF5	0.269
MSTN	GDF8	0.132
GDF9	GDF9	0.431
GDF11	GDF11	0.380
GDF15	GDF15	0.553
GDNF	GDNF	0.138
GFRA1	GFR alpha-1	0.082
GFRA2	GFR alpha-2	0.059
GFRA3	GFR alpha-3	0.137
GFRA4	GFR alpha-4	0.215
TNFRSF4	GITR / TNFRF18	0.062
TNFSF18	GITR L / TNFSF18 L	0.135
GCG	Glucagon	0.030
SLC2A1	Glut1	0.037
SLC2A2	Glut2	0.047
SLC2A3	Glut3	0.421
SLC2A5	Glut5	0.071
GPC3	Glypican 3	63.512
GPC5	Glypican 5	0.052
CSF2	GM-CSF	0.108
CSF2RA	GM-CSF R alpha	0.065
GZMA	Granzyme A	0.319
GREM1	GREMLIN	0.597
CXCL1	GRO	0.243
CXCL1	GRO-a	1.342
GH1	Growth Hormone (GH)	0.091
GHR	Growth Hormone R (GHR)	0.181
HBEGF	HB-EGF	233.043
CCL16	HCC-4 / CCL16	0.529
CCHCR1	HCR / CRAM-A/B	0.591
FGL1	Hepassocin	0.098
GLO1	GLO-1	0.314
HGF	HGF	367.068
MET	HGFR	0.162
HRG	HRG-alpha	1.249
HRG	HRG-beta 1	87.516
TNFRSF14	HVEM	0.065
CCL1	I-309	0.003
ICAM1	ICAM-1	5.388
ICAM2	ICAM-2	1.000
ICAM3	ICAM-3 (CD50)	1.000
ICAM5	ICAM-5	0.120
IFNAR1	IFN-alpha/beta R1	0.004
IFNAR2	IFN-alpha/beta R2	1.000
IFNB1	IFN-beta	114.021
IFNG	IFN-gamma	0.207
IFNGR1	IFN-gamma R1	0.231
IGFBP1	IGFBP-1	0.009
IGFBP2	IGFBP-2	17.503
IGFBP3	IGFBP-3	0.136
IGFBP4	IGFBP-4	0.356
IGFBP6	IGFBP-6	1.024
IGFBP7	IGFBP-rp1 / IGFBP-7	39.007
IGF1	IGF-I	0.105
IGF1R	IGF-I R	0.260
IGF2	IGF-II	0.187
IGF2R	IGF-II R	0.060
IL1A	IL-1alpha	0.153
IL1B	IL-1beta	0.226
IL1F5	IL-1 F5 / FIL1delta	0.148
IL36A	IL-1 F6 / FIL1 epsilon/IL-36a	0.109
IL37	IL-1 F7 / FIL1 zeta / IL-37	0.153
IL36B	IL-1 F8 / FIL1 eta / IL-36b	0.138
IL36G	IL-1 F9 / IL-1 H1 / IL-36g	0.405
IL1F10	IL-1 F10 / IL-1HY2	0.188
IL1RAP	IL-1 R3 / IL-1 R AcP	0.001

IL1RL1	IL-1 R4 /ST2	0.078
IL1RL2	IL-1 R6 / IL-1 Rrp2	0.067
IL1RAPL1	IL-1 R8 / IL1RAPL1	0.057
IL1RAPL2	IL-1 R9 / IL1RAPL2	280.052
IL1RN	IL-1ra	0.272
IL1R1	IL-1 RI	0.089
IL1R2	IL-1 RII	0.263
IL2	IL-2	0.147
IL2RA	IL-2 R alpha	0.068
IL2RB	IL-2 R beta	0.128
IL2RG	IL-2 R gamma	0.122
IL3	IL-3	28.005
IL3RA	IL-3 R alpha	71.013
IL4	IL-4	0.074
IL4R	IL-4 R	59.511
IL5	IL-5	0.172
IL5RA	IL-5 R alpha	0.096
IL6	IL-6	0.114
IL6R	IL-6 R	0.141
IL7	IL-7	0.393
IL7R	IL-7 R alpha	61.011
CXCL8	IL-8	0.114
IL9	IL-9	0.077
IL10	IL-10	0.157
IL10RA	IL-10 R alpha	0.132
IL10RB	IL-10 R beta	0.201
IL11	IL-11	0.065
IL12B	IL-12 p40	67.512
IL12A	IL-12 p70	0.641
IL12RB1	IL-12 R beta 1	0.120
IL12RB2	IL-12 R beta 2	1.000
IL13	IL-13	0.184
IL13RA1	IL-13 R alpha 1	0.121
IL13RA2	IL-13 R alpha 2	0.147
IL15	IL-15	0.391
IL15RA	IL-15 R alpha	21.004
IL16	IL-16	0.085
IL17A	IL-17	0.062
IL17B	IL-17B	164.030
IL17RB	IL-17B R	0.193
IL17C	IL-17C	8.486
IL17D	IL-17D	187.035
IL25	IL-17E / IL-25	0.098
IL17F	IL-17F	28.505
IL17RA	IL-17R	0.093
IL17RC	IL-17RC	0.543
IL17RD	IL-17RD	0.124
IL18BP	IL-18 BPa	0.178
IL18R1	IL-18 R alpha	51.509
IL18RAP	IL-18 R beta	132.024
IL19	IL-19	0.478
IL20	IL-20	0.445
IL20RA	IL-20 R alpha	0.101
IL20RB	IL-20 R beta	38.507
IL21	IL-21	0.381
IL21R	IL-21 R	1.000
IL22	IL-22	76.014
IL22RA2	IL-22 BP / IL-22Ra2	0.247
IL22RA1	IL-22 R	0.165
IL23A	IL-23	0.054
IL23R	IL-23 R	26.005
IL24	IL-24	11.025
IL26	IL-26	3.471
IL27	IL-27	5.501
IFNL2	IL-28A / IFN lambda2	0.057
IFNL1	IL-29 / IFN lambda1	0.001
IL31	IL-31	1.000
IL31RA	IL-31 RA	1.000
BACE1	BACE-1	51.509
F10	FACX	0.171
INS	Insulin	0.006
INSR	Insulin R	0.421
IDE	Insulysin / IDE	59.011
CXCL10	IP-10 / CXCL10	0.157
CXCL11	I-TAC / CXCL11	0.238
KNG1	Kininostatin / kininogen	4.501
KREMEN1	Kremen-1	0.090
KREMEN2	Kremen-2	0.076
LTBP1	LTBP1	0.324

LBP	LBP	1.000
LCK	LCK	1.000
LECT2	LECT2	1.000
LEFTY2	Lefty - A	82.515
LEP	Leptin	0.461
LEPR	Leptin R	12.502
ITGAL	LFA-1 alpha / ITGAL	0.096
LIF	LIF	0.054
LIFR	LIF R alpha	62.011
TNFSF14	LIGHT / TNFSF14	0.431
LCN1	Lipocalin-1	0.199
LCN2	Lipocalin-2	0.007
LRP1	LRP-1	0.035
LRP6	LRP-6	1.000
SELL	L-selectin / CD62L	0.095
XCL1	Ltn/Lptn / XCL1	1.000
LTB	Lymphotoxin beta / TNFSF3	5.791
LTBR	Lymphotoxin beta R / TNFRSF3	214.540
ITGAM	MAC-1	0.088
CCL2	MCP-1 / CCL2	0.094
CCL8	MCP-2 / CCL8	0.079
CCL7	MCP-3 / CCL7	0.066
CCL13	MCP-4 / CCL13	0.038
CSF1	M-CSF / CSF1	0.125
CSF1R	M-CSF R / CSFR1	0.476
CCL22	MDC	1.000
MFGE8	MFG-E8	3.795
MFRP	MFRP	0.094
MICA	MICA	0.100
MIF	MIF	0.218
CXCL9	MIG / CXCL9	0.165
CCL3	MIP-1alpha / CCL3	0.229
CCL4	MIP-1beta / CCL4	117.022
CCL15	MIP-1delta / CCL15	129.524
CXCL2	MIP 2 / CXCL2	0.088
CCL20	MIP-3 alpha / CCL20	0.157
CCL19	MIP-3 beta / CCL19	115.021
MMP1	MMP-1	1366.754
MMP2	MMP-2	0.115
MMP3	MMP-3	0.075
MMP7	MMP-7	1.000
MMP8	MMP-8	0.263
MMP9	MMP-9	0.016
MMP10	MMP-10	0.054
MMP11	MMP-11	0.044
MMP12	MMP-12	0.196
MMP13	MMP-13	70.013
MMP14	MMP-14	1.085
MMP15	MMP-15	0.369
MMP16	MMP-16 / MT3-MMP	0.190
MMP19	MMP-19	258.048
MMP20	MMP-20	485.090
MMP24	MMP-24 / MT5-MMP	0.046
MMP25	MMP-25 / MT6-MMP	0.102
MST1	MSP alpha-chain / MST1	0.072
MUSK	MUSK	0.073
PPBP	NAP-2 / CXCL7 / PPBP	0.425
NCAM1	NCAM-1 / CD56	1.000
NRN1	Neuritin	0.082
NEUROD1	NeuroD1	1.000
NRP2	Neuropilin-2	0.014
NRTN	Neurturin	0.017
NGFR	NGF R / TNFRSF16	0.065
NID1	Nidogen-1	148.027
NOV	NOV / CCN3	0.075
NRCAM	NRCAM	239.544
NRG1	NRG1 Isoform GGF2	1.499
NRG2	NRG2	0.051
NRG3	NRG3	0.046
NTF3	NT-3	0.084
NTF4	NT-4	0.108
HCRT	Orexin A	0.013
HCRT	Orexin B	0.050
OSM	OSM	99.018
GPNMB	Osteoactivin / GPNMB	0.092
OSTN	Osteocrin	0.133
TNFRSF11B	OPG / TNFRSF11B	47.009
TNFSF4	OX40 Ligand / TNFSF4	0.151
CCL18	PARC / CCL18	0.203

TYMP	PD-ECGF / TYMP	0.638
PDGFRA	PDGF R alpha	0.155
PDGFRB	PDGF R beta	0.108
PDGFA	PDGF-AA	0.001
PDGFA,PDGFB	PDGF-AB	0.102
PDGFB	PDGF-BB	0.208
PDGFC	PDGF-C	0.282
PDGFD	PDGF-D	2.008
PECAM1	PECAM-1	0.001
PTX3	Pentraxin3 / TSG-14	0.003
PSPN	Persephin	0.212
PF4	PF4	0.223
PGF	PLGF	0.119
BPIFA1	PLUNC	0.062
DLK1	Pref-1	0.917
GRN	progranulin	1.000
PRL	Prolactin	0.088
SELP	P-selectin	0.125
AGER	RAGE	0.210
TNFRSF11A	RANK / TNFRSF11A	0.058
CCL5	RANTES / CCL5	6.001
RETNLB	RELM beta	2.262
RELT	RELT / TNFRSF19L	0.404
ROBO4	ROBO4	56.510
S100A8, S100A9	S100 A8/A9	215.040
S100A10	S100A10	1.000
SAA1	SAA	88.516
KITLG	SCF / KITLG	1.000
KIT	SCF R / KIT / CD117	0.061
CXCL12	SDF-1	0.202
SFRP1	sFRP-1	1.000
FRZB	sFRP-3	39.007
SFRP4	sFRP-4	1.000
IL6ST	sgp130	0.050
SIGIRR	SIGIRR	85.016
SIGLEC5	Siglec-5/CD170	0.950
SIGLEC9	Siglec-9	0.044
SLPI	SLPI	0.077
SMAD1	Smad 1	1.000
SMAD4	Smad 4	1.000
SMAD5	Smad 5	1.000
SMAD7	Smad 7	1.000
SMAD9	Smad 8 / Smad9 / MADH9	1.000
PRDX6	Peroxiredoxin 6 (Prdx6)	1.000
DKKL1	Soggy-1	0.335
SHH	Sonic Hedgehog (Shh N-terminal)	125.023
SPARC	SPARC	54.010
TMPPRSS5	Spinesin / TMPPRSS5	0.136
TNFRSF13B	TACI / TNFRSF13B	0.129
CCL17	TARC / CCL17	38.507
IL27RA	TCCR / WSX-1 / IL27Ra	0.030
CCL25	TECK /CCL25	1.000
TFPI	TFPI	1.000
TGFA	TGF-alpha	0.122
TGFB1	TGF-beta 1	0.031
TGFB2	TGF-beta 2	40.507
TGFB3	TGF-beta 3	24.504
N/A	TGF-beta 5	2.224
TGFBR1	TGF-beta RI / ALK-5	1.000
TGFBR2	TGF-beta RII	169.031
GRB2	Grb2	34.006
TGFBR3	TGF-beta RIII	107.520
THPO	Thrombopoietin (TPO)	1.000
TPO	Thyroid Peroxidase / TPX	8.001
THBS1	Thrombospondin-1	9.558
THBS2	Thrombospondin-2	89.516
THBS4	Thrombospondin-4	1.000
TMPO	Thymopoietin (TP)	0.068
TIE1	tie-1	0.212
TEK	tie-2	10.002
TIMP1	TIMP-1	2.262
TIMP2	TIMP-2	0.133
TIMP3	TIMP-3	1069.699
TIMP4	TIMP-4	1.000
TNFSF15	TL1A / TNFSF15	6.595
TLR1	TLR1	93.017
TLR2	TLR2	1.500
TLR3	TLR3	26.505
TLR4	TLR4	0.056

TMEFF1	TMEFF1 / Tomoregulin-1	153.028
TMEFF2	TMEFF2	1.000
TNF	TNF-alpha	0.094
LTA	TNF-beta	0.130
TNFRSF1A	TNF RI / TNFRSF1A	0.003
TNFRSF1B	TNF RII / TNFRSF1B	0.175
TRADD	TRADD	42.008
TNFSF10	TRAIL	47.009
TNFRSF10A	TRAIL R1	84.015
TNFRSF10B	TRAIL R2	81.015
TNFRSF10C	TRAIL R3 (TNFRSF10C)	123.023
TNFRSF10D	TRAIL R4 (TNFRSF10D)	0.734
TNFSF11	TRANCE	58.511
TREM1	TREM-1	0.155
TNFRSF19	TROY / TNFRSF19	1.000
TNFAIP6	TSG-6	3.647
CRLF2	TSLP R, TSLP Receptor	16.503
TNFSF12	TWEAK / TNFSF12	68.012
TNFRSF12A	TWEAK R / TNFRSF12	29.005
UBB	Ubiquitin+1	95.518
PLAU	uPA	0.070
PLAUR	uPAR	28.005
VASN	Vasorin	0.152
VCAM1	VCAM-1	31.506
CDH5	VE-Cadherin	27.505
VEGFA	VEGF / VEGFA	0.075
KDR	VEGF R2/KDR	106.020
FLT4	VEGF R3	57.010
VEGFB	VEGF-B	29.005
VEGFC	VEGF-C	1.000
VEGFD	VEGF-D	2.493
TNFSF15	VEGI	17.003
WIF1	WIF-1	0.341
WISP1	WISP-1 / CCN4	48.009
EDA2R	XEDAR / TNFRSF27	1.824