

Supplemental table 1: 40-Plex Biomarker Expression Values.

Gene	MSD Panel	Mean	Median	SE	Variance
bFGF	Angiogenesis	3.69	3.3	0.22	2.00E+06
FLT1	Angiogenesis	96	91	3.7	3.00E+04
PIGF	Angiogenesis	28	28	0.66	1.00E+05
TIE2	Angiogenesis	869	843	23.56	3.00E+04
VEGF	Angiogenesis	557	472	52.72	8.00E+02
VEGFc	Angiogenesis	592	576	21.78	3.00E+01
VEGFD	Angiogenesis	910	826	41.19	3.00E+00
EOTAXIN	Chemokine	205	205	10.09	6.00E+03
EOTAXIN3	Chemokine	44	38	3.46	7.00E+02
IL8	Chemokine	579	502	40.86	2.00E+03
IP10	Chemokine	133	122	9.16	2.00E+02
MCP1	Chemokine	218	202	14.07	6.00E+04
MCP4	Chemokine	85	65	9.47	6.00E+03
MDC	Chemokine	624	530	58.09	1.00E+04
MIP1A	Chemokine	38	36	1.99	2.00E-05
MIP1B	Chemokine	111	111	6.06	2.00E+05
TARC	Chemokine	224	162	31.45	5.00E+03
GMCSF	Cytokine	1.09	0.72	0.14	4.00E+03
IL12-23P40	Cytokine	57	47	6.81	1.00E+00
IL15	Cytokine	1.71	1.48	0.12	9.00E+01
IL16	Cytokine	103	106	5.6	2.00E+01
IL17A	Cytokine	5.66	2.4	1.09	7.00E+01
IL1A	Cytokine	0.79	0.48	0.12	9.00E+01
IL5	Cytokine	2.42	1.09	0.53	9.00E+01
IL7	Cytokine	15	14	1.09	2.00E+03
TNFB	Cytokine	2.13	1.96	0.1	7.00E+01
VEGF	Cytokine	82.88	73.57	8.24	6.00E+01
IFNY	Proinflammatory	12	7.45	1.94	2.00E+02
IL10	Proinflammatory	0.92	0.78	0.06	6.00E+02
IL12P70	Proinflammatory	0.55	0.48	0.04	1.00E+01
IL13	Proinflammatory	8.6	7.04	0.73	1.00E-01
IL1B	Proinflammatory	0.39	0.34	0.03	3.00E+01
IL2	Proinflammatory	2.91	2.18	0.5	2.00E+01
IL4	Proinflammatory	0.46	0.33	0.05	2.00E-01
IL6	Proinflammatory	1	0.79	0.08	1.00E-01
IL8	Proinflammatory	13	14	0.56	3.00E+01
TNFA	Proinflammatory	2.21	1.94	0.1	6.00E-01
CRP	Vascular injury	1.00E+06	1000000	85964	4.00E+09
ICAM1	Vascular injury	2.00E+05	200000	7100	5.00E+11
SAA	Vascular injury	2.00E+05	200000	7378	2.00E+09
VCAM1	Vascular injury	1.00E+05	100000	5289	4.00E+09

Serum expression values of 40 individual biomarker proteins in pre-treatment clinical samples. Values are expressed in pg/ml. For the Mesoscale Diagnostics V-plex assay, subsets of biomarkers were multiplexed onto different ELISA plates according to the manufacturer's predetermined panels designated Angiogenesis, Chemokine, Cytokine, Proinflammatory and Vascular Injury. Values for 41 biomarkers are included as VEGF is included in both the Angiogenesis and Cytokine panels. Though the antibody pair was identical in both panels differences in antibody anchoring technique result in differences in range of VEGF values between the two panels. VEGF values from the Cytokine panel were primarily used in subsequent analysis.