

Supplemental Table 1. Levels of constitutive cytokine release during *in vitro* culture by enriched primary human AML cells. For each mediator we present the number of patients (n=19 patient samples were included) with detectable levels together with the median level (pg/mL) and the range for those patients showing detectable levels when measured with Luminex/ELISA assays. The mediators showing detectable levels in the proteomic examination are marked with an asterisk to the left in the figure.

Mediator	Number	Median	Range	Fold variation
Chemokines (n=11)				
CCL2	19	262	1.4-8202	5859
CCL3	19	451	131->30,000	>229
CCL4	19	254	45.9-11,744	256
* CCL5	19	56.3	17.4-2481	143
CCL28	5	123	53.8-432	8
CXCL1	19	110	51.5-3520	68
CXCL2	17	21.1	2.3-9057	3938
CXCL5	18	313	6.6-13,980	2118
CXCL8	19	1676	1.8->18,500	>10,278
CXCL10	19	11.7	1.6-15,504	9690
CXCL11	19	91.4	62.5-246	3.9
Interleukins - immunoregulators (n=6)				
IL1 β	19	4.4	1.2-763	636
IL1RA	19	>10,750	7.5->10,750	>1433
IL6	10	142	1.5-4335	2890
IL10	19	1.6	1.3-7.4	5.7
IL33	19	8.9	7.7-22.0	2.9
TNF α	19	11.8	0.8-692	865
Growth factors (n=8)				
Angiopoietin 1	14	130	7.2-454	63
TEK/Tie-2 (angiopoietin receptor)	19	190	121-248	2
FGF2 (fibroblast growth factor)	19	19.6	14.2-23.9	1.7
G-CSF (granulocyte colony-stimulating factor)	6	15.2	0.22-60.5	275
GM-CSF (granulocyte-macrophage CSF)	19	12.4	10.3-555	54
HGF (hepatocyte growth factor)	19	36.9	5.9-506	86
Hb-EGF (Proheparin-binding EGF-like growth factor)	19	17.7	4.7-70.8	15
VEGF (vascular endothelial growth factor)	19	12.3	6.7-51.6	7.7
Proteases and protease regulators (n=14)				
MMP1 (matrix metalloprotease 1)	19	40.3	28.7-4552	159
MMP2	19	1981	367-9485	26
* MMP9	12	23,957	1123-261,935	233
* TIMP1 (tissue inhibitor of MMP 1)	19	2298	580-34,789	60
* Caspase 1	9	8.1	1.0-28.0	28
* BSG (basigin)	19	401	61.2-1876	31

* CFD (complement factor D)	13	4106	123-18,426	150
* Cystatin B/CSTB	18	2846	165-17,949	109
* Cystatin C/CST3	19	3075	233-52,208	224
* Neutrophil elastase/ELANE	13	11,224	1072-203,665	190
* Serpin E1	19	1131	36.2-23,925	661
Serpin C1	19	61,579	52,373-64,196	1.2
SLPI (antileukoproteinase)	7	19	6-163	27
uPA (urokinase-type plasminogen activator)	19	373	53.4-2438	46

ADAM12 (proteases A disintegrin and metalloprotease domain 12) and ADAMTS 13 (ADAM with thrombospondin type 1 motif member 13) showed detectable levels for none and for 2 patients, respectively.