

Table S2. Cytokine concentration normalisation per cell for temporal BME induction

Cytokines	Basal 0hr	pg/ml/cell	1 hr	pg/ml/cell	3 hrs	pg/ml/cell	5 hrs	pg/ml/cell	20 hrs	pg/ml/cell	24 hrs	pg/ml/cell
IL-1ra	79.28	1.46E-05	23.83	4.26E-06	25.56	5.55E-06	38.8	8.77E-06	20.39	7.71E-06	29.04	1.15E-05
IL-2	11.2	2.07E-06	4.62	8.26E-07	5.91	1.28E-06	7.91	1.79E-06	5.52	2.09E-06	5.65	2.23E-06
IL-4	2.29	4.22E-07	0	0.00E+00	0.18	3.91E-08	0.18	4.07E-08	0.18	6.80E-08	0.27	1.07E-07
IL-5	1.75	3.23E-07	0.47	8.41E-08	0.52	1.13E-07	0.52	1.18E-07	0.52	1.97E-07	0.52	2.06E-07
IL-6	0	0.00E+00	30.1	5.38E-06	36.71	7.97E-06	64.71	1.46E-05	205.3	7.76E-05	165.21	6.53E-05
IL-7	16.11	2.97E-06	0.28	5.01E-08	0.61	1.32E-07	0.78	1.76E-07	0.78	2.95E-07	0.94	3.72E-07
IL-8	28591.59	5.27E-03	10.84	1.94E-06	4.22	9.16E-07	10.38	2.35E-06	333	1.26E-04	337.13	1.33E-04
IL-9	40.66	7.50E-06	3.72	6.65E-07	3.72	8.07E-07	7.83	1.77E-06	4.4	1.66E-06	6.45	2.55E-06
IL-10	25.96	4.79E-06	0	0.00E+00	0.05	1.09E-08	0.23	5.20E-08	0.42	1.59E-07	0.32	1.27E-07
IL-12 (p70)	237.18	4.37E-05	1.85	3.31E-07	2.18	4.73E-07	2.45	5.54E-07	2.86	1.08E-06	3.96	1.57E-06
IL-13	13.22	2.44E-06	0.61	1.09E-07	0.75	1.63E-07	0.82	1.85E-07	0.79	2.99E-07	0.98	3.87E-07
IL-15	4.49	8.28E-07	4.27	7.64E-07	5.66	1.23E-06	5.06	1.14E-06	3.34	1.26E-06	3.03	1.20E-06
IL-17	8.66	1.60E-06	5.81	1.04E-06	6.93	1.50E-06	8.97	2.03E-06	5.81	2.20E-06	6.77	2.68E-06
Eotaxin	74.14	1.37E-05	42.18	7.54E-06	51.58	1.12E-05	74.92	1.69E-05	45.21	1.71E-05	49.05	1.94E-05
FGF basic	43.2	7.97E-06	11.44	2.05E-06	14.95	3.24E-06	19.27	4.36E-06	17.17	6.49E-06	30.06	1.19E-05
G-CSF	61.12	1.13E-05	0.42	7.51E-08	0.42	9.11E-08	1.4	3.17E-07	0.42	1.59E-07	0	0.00E+00
GM-CSF	50.28	9.27E-06	71.17	1.27E-05	88.97	1.93E-05	88.11	1.99E-05	67.92	2.57E-05	64.87	2.56E-05
IFN-g	265.87	4.90E-05	11.15	1.99E-06	13.37	2.90E-06	15.64	3.54E-06	15.64	5.91E-06	15.64	6.18E-06
MCP-1 (MCAF)	1174.32	2.17E-04	19.62	3.51E-06	20.56	4.46E-06	46.14	1.04E-05	94.82	3.58E-05	99.45	3.93E-05
MIP-1a	2.08	3.84E-07	0.64	1.14E-07	0.66	1.43E-07	0.75	1.70E-07	0.66	2.49E-07	0.66	2.61E-07
MIP-1b	6.77	1.25E-06	0.92	1.65E-07	0.92	2.00E-07	2.39	5.40E-07	2.18	8.24E-07	2.18	8.62E-07
PDGF-bb	7.5	1.38E-06	0	0.00E+00	0	0.00E+00	1.25	2.83E-07	0	0.00E+00	0.25	9.88E-08
RANTES	9.4	1.73E-06	1.15	2.06E-07	0.47	1.02E-07	3	6.78E-07	2.47	9.33E-07	2.83	1.12E-06
TNF-a	16.31	3.01E-06	0	0.00E+00	0.5	1.09E-07	1.4	3.17E-07	0.5	1.89E-07	1.1	4.35E-07
VEGF	5546.75	1.02E-03	22.79	4.08E-06	25.6	5.56E-06	27.62	6.24E-06	39.63	1.50E-05	38.8	1.53E-05
Total cell count	5.42E+06		5.59E+06		4.61E+06		4.42E+06		2.65E+06		2.53E+06	