

**Supplementary Data S4. Individual data tables.** The data values included in each graph within the main text are shown below.

**Figure 1b**

	Prestoblue (% MNLC alone)				7 d			
	24 h							
Control	122.791	88.75334	94.20288	76.99891	63.06521	143.9	95.48732	65.88109
N1	94.5551	147.3266	278.2282	216.4537	225.4081	123.1417	136.42	197.7995

**Figure 1d**

	Area (%)					
	MNLC			MNLC + MG		
Control	4.332	6.064	5.134	10.995	18.705	14.493
N1	15.615	23.009	22.134	27.109	34.408	46.38

**Figure 1f**

	Non-ramified (%)			Ramified (%)		
	Control	100	92.85714	84.21053	0	7.142857
N1	47.61905	61.2069	28.57143	52.38095	38.79311	71.42857

**Figure 1g**

	% Microglia					
	MNLC associated			Unassociated		
Control	43.75	50	53.85	56.25	50	46.15
N1	80	80	63.63	20	20	36.37

**Figure 2a**

	Day		
	1	3	7
Prestoblue (% control MG)	122.7917	102.9982	71.21552
	110.4369	105.0112	100.343
	111.8537	99.9177	98.87364

**Figure 2c**

% Cells with beads

Control	N1	N2	T-a23
41.83168	53.76045	53.29815	43.44609
57.28155	50.87719	50.18916	33.05439
62.42038	60.60606	66.15385	46.21212

**Figure 3a**

	Ccl4 Concentration (pg/ml)							
	Control				N1			
MG	408.11	103.93	826.02	731.7	316.75	64.81	1077.21	1070.68
MNLC	23.71	82.46	77.87	87.05	33.39	33.39	44.79	54.5
MNLC + MG	1002.29	1559.46	1201.91	1919.54	1480.65	1701.41	1476.66	2375.07

**Figure 3b**

	Ccl24 Concentration (pg/ml)							
	Control				N1			
MG	131.01	269.14	145.6	174.86	733.72	490.015	184.37	193.78
MNLC	38.59	38.59	18.36	82.32	440.84	215.405	46.38	82.32
MNLC + MG	329.48	38.59	98.93	125.34	640.97	537.14	93.47	120.17

**Figure 3c**

	Ccl27 Concentration (pg/ml)							
	Control				N1			
MG	900.84	635.16	771.63	622.145	1024.43	1054.59	368.99	494.98
MNLC	407.85	410.07	354.77	458.71	130.64	67.11	268.88	327.07
MNLC + MG	1024.43	526.45	644.82	577.65	704.44	963.26	605.965	531.25

**Figure 3d**

	Cxcl10 Concentration (pg/ml)				N1				
	Control								
MG	454.81	377.39	227.6	227.6	368.42	292.92	189.45	198.09	
MNLC	230.07	292.92	322.11	159.99	287.93	207.27	272.72	129.075	
MNLC + MG	471.34	519.76	316.76	281.16	547.31	1059.95	938.63	783.03	

**Figure 4b**

Cxcl10 Concentration (ng/ml)	% area covered			
	1	2	3	4
0	12.309	5.538	6.107	7.865
1	16.276	17.456	14.559	16.29
2.5	30.537	21.028	20.135	29.891
5	32.868	37.779	36.385	28.116
10	32.021	5.609	11.732	14.192
25	15.459	7.748	11.278	9.296
50	3.579	12.493	12.098	8.635

**Figure 4c**

Cxcl10 Concentration (ng/ml)	Total pixel intensity					
	NF-L			GFAP		
0	2.61E+09	2.49E+09	3.15E+09	1.33E+09	1.44E+09	3.13E+09
1	3.21E+09	2.58E+09	4.76E+09	2.06E+09	5.19E+09	2.68E+09
2.5	3.61E+09	3.12E+09	3.43E+09	3.14E+09	2.18E+09	3.41E+09
5	4.11E+09	5.29E+09	4.56E+09	5.13E+09	4.95E+09	4.61E+09
10	1.6E+09	3.39E+09	5.14E+09	2.76E+09	1.7E+09	4.3E+09
25	2.8E+09	2.73E+09	1.95E+09	1.85E+09	2.07E+09	1.49E+09
50	3.67E+09	3.06E+09	1.38E+09	1.63E+09	5.75E+08	1.45E+09

**Figure 4d**

Cxcl10 Concentration (ng/ml)	Prestobluemetabolism (% control)			
	0	1	2.5	5
0	100	100	100	100
1	119.3377	123.8034	112.6949	89.7509
2.5	200.5704	216.0687	223.6279	133.76
5	406.8875	392.0374	382.863	178.2631
10	73.0861	74.6608	89.7742	136.9548
25	100.5637	106.5888	125.0236	144.6124
50	90.9269	80.8373	8.4503	118.5219

**Figure 4f**

Prestobluemetabolism (% control)			
Control		Cxcr3 neutralising antibody	
Control	N1	Control	N1
100	132.9394	84.30282	87.58554
100	157.3753	78.05907	25.03516
100	151.4279	80.25446	106.6484

**Figure 5c**

	Prestobluemetabolism (% control)					
	MG			MNLC		
Co-exposed	111.1959	79.60322	99.26368	128.6904	79.61492	154.4061
MNLC primed	86.0667	61.36907	111.7076	101.4503	86.55151	81.15023

**Figure 5d**

Cxcl10 (% PBS control)		
Co-culture	Co-exposed (A)	MNLC primed (B)
233.6431	53.35285	113.9806
206.9007	40.68697	156.9126
172.6021	101.16	98.39599
131.2212	107.2243	103.3215

**Figure 6b**

	DCF production (FU/s)								
	MG			MNLC			MNLC + MG		
Control	0.14	0.1	0.14	0.26	0.23	0.21	0.16	0.16	0.19
N1	0.11	0.13	0.11	0.21	0.14	0.24	0.14	0.14	0.16

**Figure 6d**

Whole cell mean pixel intensity (FU)

PBS	N1
2870.027	4415.197
3316.713	4571.388
3309.222	5433.314

**Figure 6e**

MG-cell contact site mean pixel intensity (FU)

PBS	N1
3115.159	5102.973
3329.5	4205.074
1957.29	3827.803

**Figure 6f** (\*upper limit of assay detection reached)

Ganglioside Induced Cxcl10 (% vehicle control)

MG	MNLC	MNLC + MG
80.77633	116.1092	233.1985
78.43948	99.43803	153.4229
87.67496	70.9541	343.5109*

**Figure 6g**

	Cxcl10 (%PBS control)					
	N1			Acyl-N1		
MG	114.4695	58.86282	58.86282	105.3723	81.55118	89.18653
MNLC	117.0392	85.26669	88.95097	66.82848	133.0564	121.1944
MNLC + MG	206.9007	172.6021	161.8357	88.99655	94.14203	23.37041

**Figure 6h**

Prestoblu metabolism (% control)

N1	N1-sulfo-NHS
197.7995	143.2817
174.2749	88.6153
153.5562	132.3992

**Figure 6i**

N2 Induced Cxcl10 (% control)

MG	MNLC	MNLC + MG
151.5178	191.6049	112.2653
132.7264	88.89388	72.50525
146.4202	90.77234	124.5249

**Figure 6j**

N2 Prestoblu metabolism (% control)

MG	MNLC	MNLC + MG
149.7831	90.12155	127.9611
159.1088	95.90614	97.0698
119.2196	99.63388	104.2989