Table 2. Induction of cytokines and chemokines in mouse serum after injection of glycolipids

Mouse TH1 bias	basal pg/ml	C1 fold	C2 fold	C3 fold	C9 fold	C11 fold	C13 fold	C14 fold	C16 fold
IFN-γ*	20.4	**300**	43.8	3.1	**160.8**	48.3	122.5	27.5	**166.1**
IL-1β*	85.3	**7.8**	2.4	2	3.2	**4.7**	3.4	**4.8**	3.4
IL-2	14.8	**58.9**	14	17.2	22	**70.3**	**75.3**	21.5	50.5
IL12 p70*	109	**3.2**	**3.5**	1.2	1.4	2.6	**6.6**	1.4	1.6
IL12 p40*	69.4	2.8	0.9	1.9	2.1	**3.8**	**3.5**	**4.4**	2.4
RANTES	278	**2.6**	0.9	0.9	1.6	**2.3**	2.1	**2.8**	2.2
MIP-β	291	3.6	1.5	1.4	2.5	**3.8**	**5.3**	1.8	**5.1**
MCP-1	122	18.7	2.6	5.6	14.8	**19.4**	**32.9**	8	**23.6**
KC	180	**30.5**	3.9	7.6	**16.4**	11	**19.2**	16.1	6.9
TNFα*	8	**51**	2	6	36.3	22.4	**38.8**	8.7	**45.6**
IL-3	8.35	**3**	1.5	**2.8**	1.8	2.4	2.3	**10.4**	1.9
GM-CSF	82.8	**13.1**	1.6	4.9	7.3	2.9	**7.9**	**37.6**	2.7
TH2 bias									
IL-4	7.46	**240**	26.2	26.8	42.9	**53.1**	**115**	21.2	49.6
IL-6	33.1	**5.5**	1.5	1.7	2.2	2.8	**6.3**	4.9	**5.8**
IL-10*	81.2	**3.6**	**5.4**	1.1	**2.4**	1.3	2.2	1.5	1.3
IL-13	75.8	**15.1**	0.9	2.3	2.4	**10.9**	**12.6**	1.7	7.7

BALB/c mice (*n* = 4) were injected i.v. with indicated glycolipids (2 μg per mouse) or vehicle. Serum samples collected at 0, 2, 18, 36, 48, and 72 h were analyzed for 22 cytokines/chemokines, using the Luminex 100 system. Folds of increase over basal serum concentrations are obtained from the peak concentrations in triplicate assays. All cytokines/chemokines peaked at 2 hr after injection, except that those marked with * peaked at 18 h. The top three values for each cytokine are shown in bold. There is no significant induction of IL-1α, IL-5, IL-9, IL-17, or VEGF in mouse sera by glycolipids.