Fig. 1

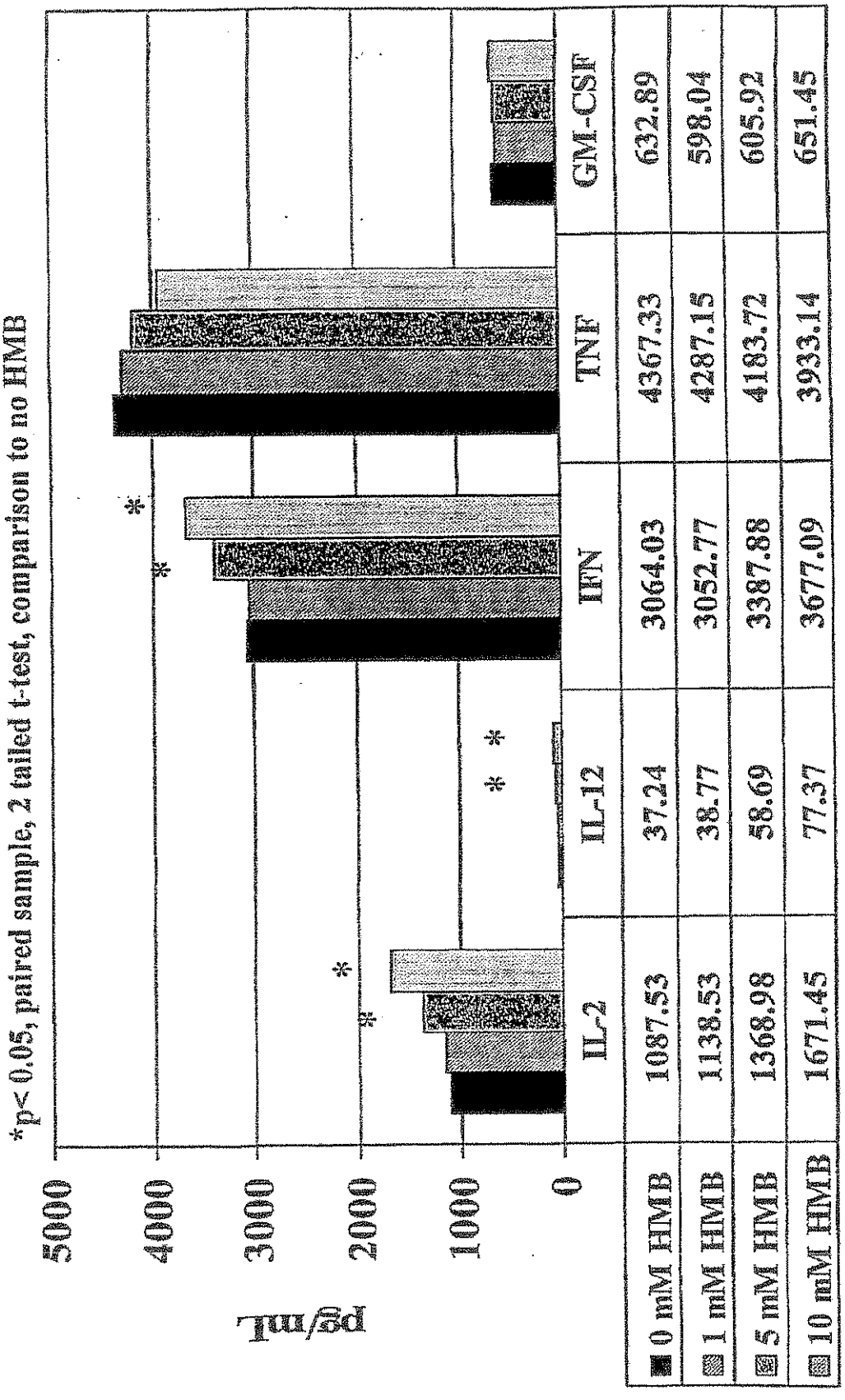

Effect of HMB on type 1 cytokines: 24 hr CD3/CD28 stimulation, n=10
*p< 0.05, paired sample, 2 tailed t-test, comparison to no HMB
pg/mL
5000
4000
3000
2000
1000
0
IL-2
IL-12
IFN
TNF
GM-CSF
0 mM HMB 1087.53 37.24 3064.03 4367.33 632.89
1 mM HMB 1138.53 38.77 3052.77 4287.15 598.04
5 mM HMB 1368.98 58.69 3387.88 4183.72 605.92
10 mM HMB 1671.45 77.37 3677.09 3933.14 651.45

Fig. 2

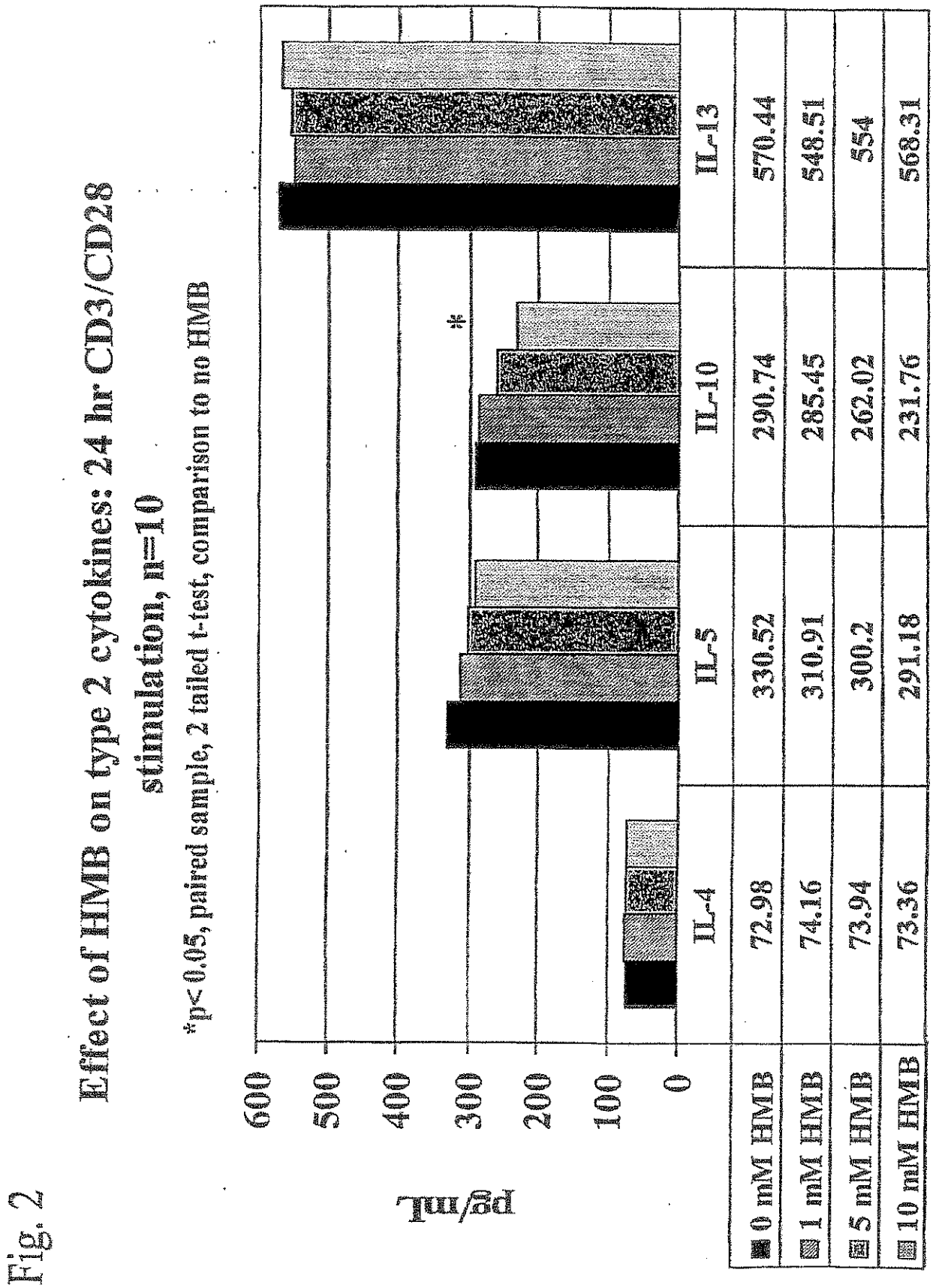

Effect of HMB on type 2 cytokines: 24 hr CD3/CD28 stimulation, n=10
*p< 0.05, paired sample, 2 tailed t-test, comparison to no HMB
pg/mL
600
500
400
300
200
100
0
*
IL-4
IL-5
IL-10
IL-13
0 mM HMB
72.98
330.52
290.74
570.44
1 mM HMB
74.16
310.91
285.45
548.51
5 mM HMB
73.94
300.2
262.02
554
10 mM HMB
73.36
291.18
231.76
568.31

Fig. 3

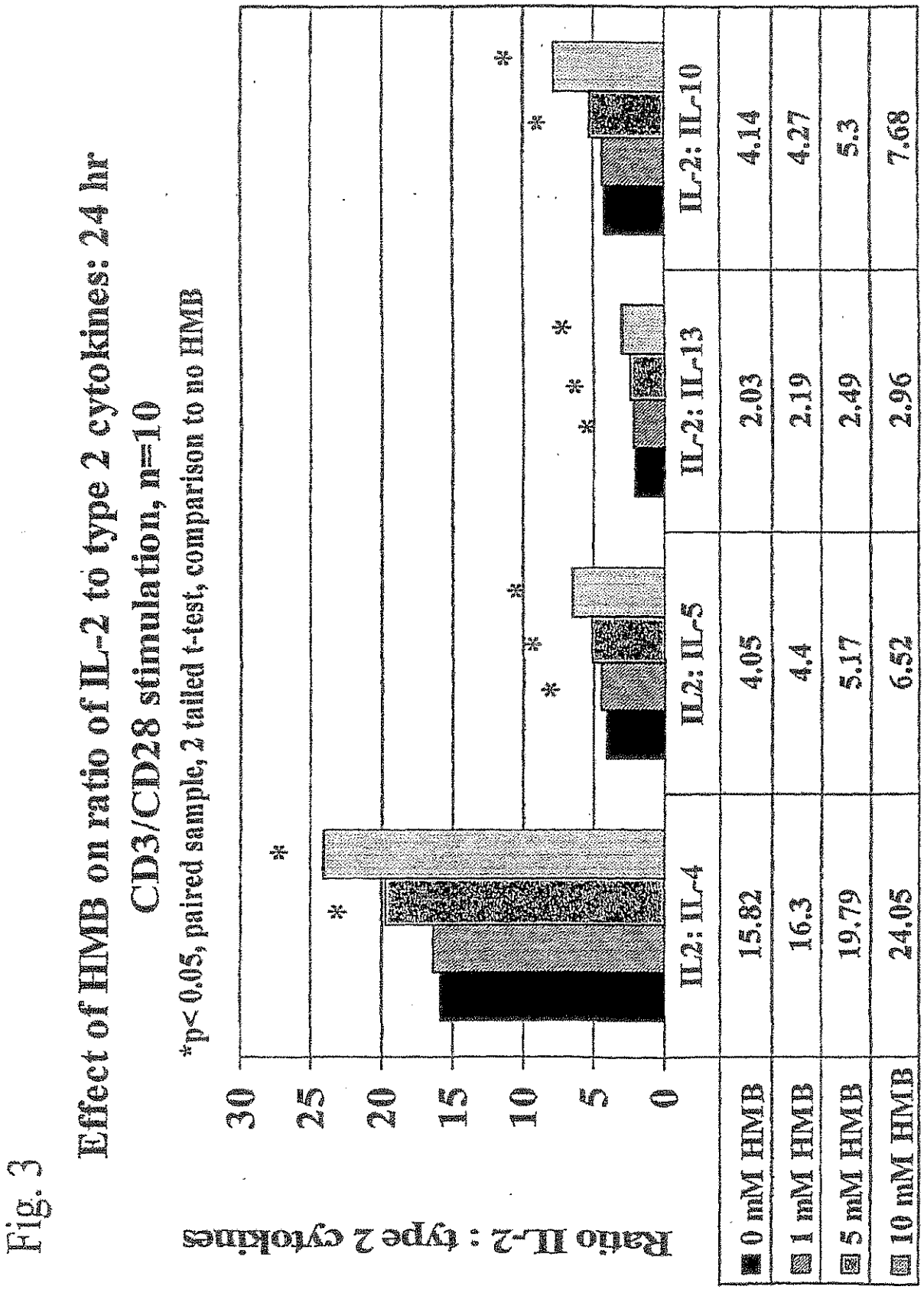
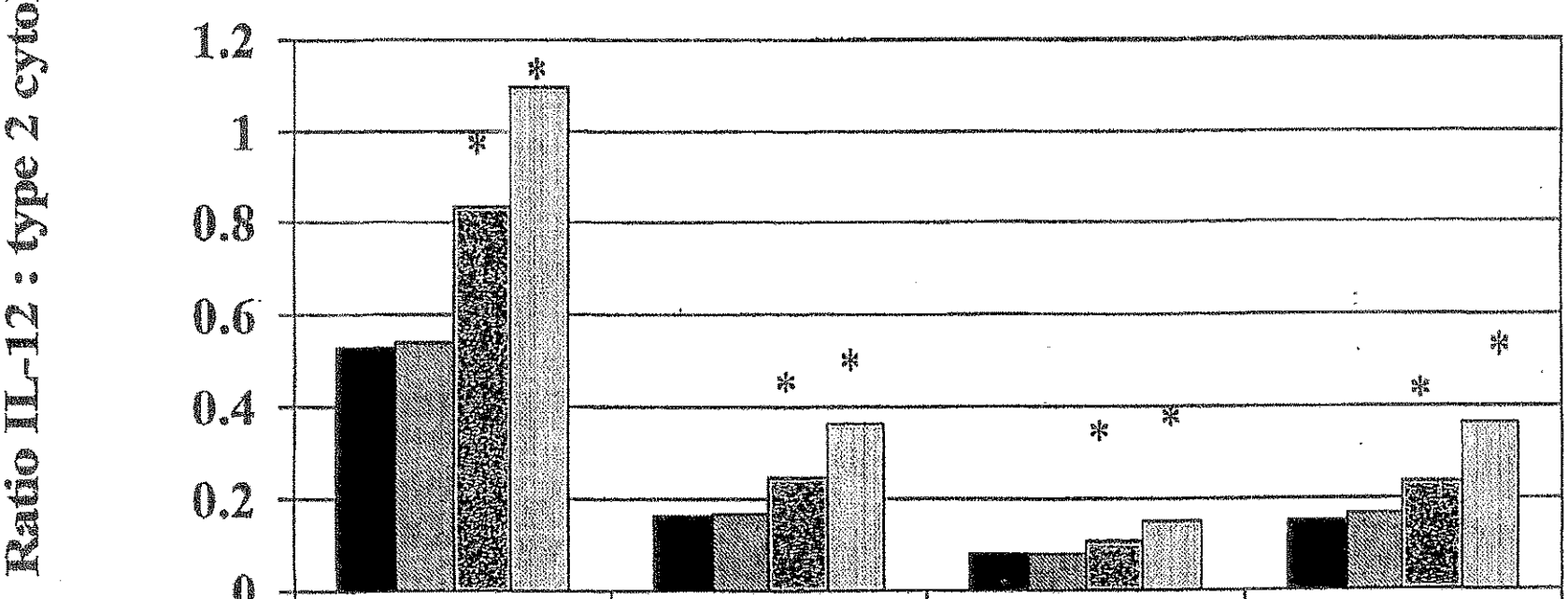

Effect of HMB on ratio of IL-2 to type 2 cytokines: 24 hr CD3/CD28 stimulation, n=10
*p< 0.05, paired sample, 2 tailed t-test, comparison to no HMB
Ratio IL-2 : type 2 cytokine
30
25
20
15
10
5
0
IL2: IL-4
IL2: IL-5
IL-2: IL-13
IL-2: IL-10
0 mM HMB
15.82
4.05
2.03
4.14
1 mM HMB
16.3
4.4
2.19
4.27
5 mM HMB
19.79
5.17
2.49
5.3
10 mM HMB
24.05
6.52
2.96
7.68

Fig. 4

Effect of HMB on ratio of IL-12 to type 2 cytokines: 24 hr CD3/CD28 stimulation, n=10

*p< 0.05, paired sample, 2 tailed t-test, comparison to no HMB

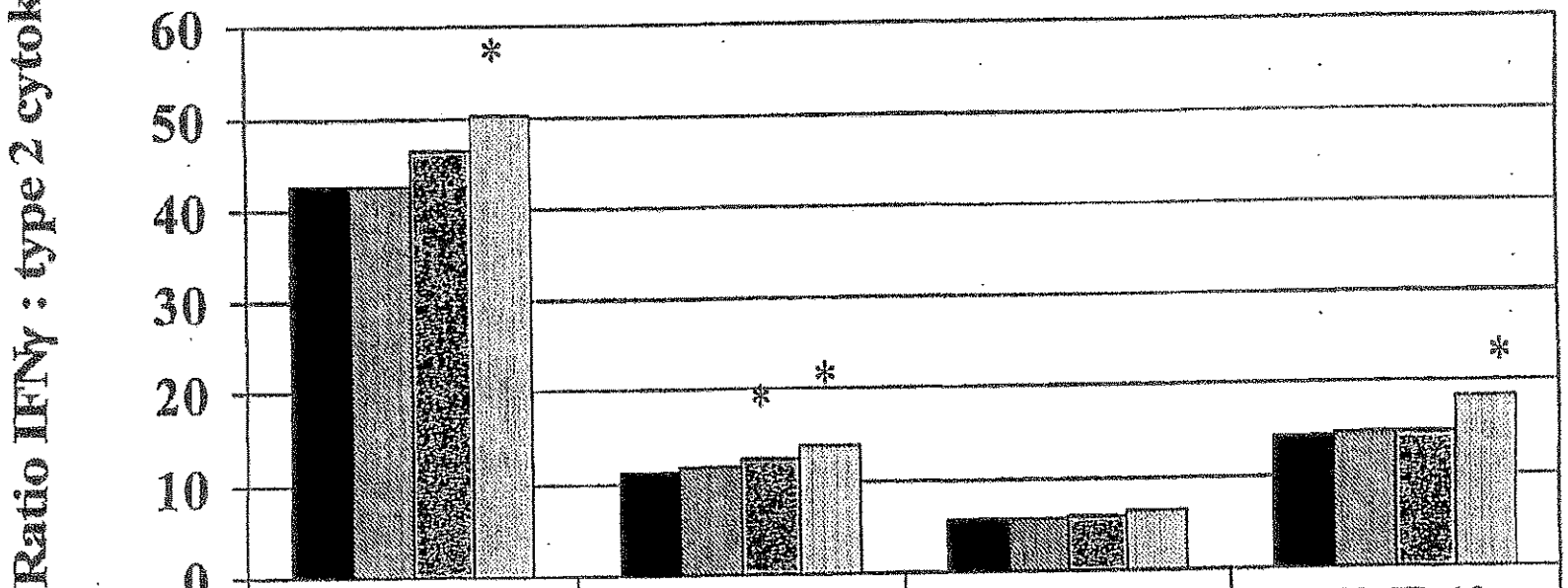


	IL-12: IL-4	IL-12: IL-5	IL-12: IL-13	IL-12: IL-10
0 mM HMB	0.53	0.16	0.08	0.15
1 mM HMB	0.54	0.17	0.08	0.17
5 mM HMB	0.83	0.25	0.11	0.24
10 mM HMB	1.1	0.36	0.15	0.36

Fig. 5

Effect of HMB on ratio of IFNγ to type 2 cytokines: 24 hr CD3/CD28 stimulation, n=10

*p< 0.05, paired sample, 2 tailed t-test, comparison to no HMB



	IFN: IL-4	IFN: IL-5	IFN: IL-13	IFN: IL-10
0 mM HMB	42.71	11.1	5.59	14.23
1 mM HMB	42.55	11.61	5.81	14.49
5 mM HMB	46.47	12.51	5.99	14.61
10 mM HMB	50.16	14.04	6.47	18.16