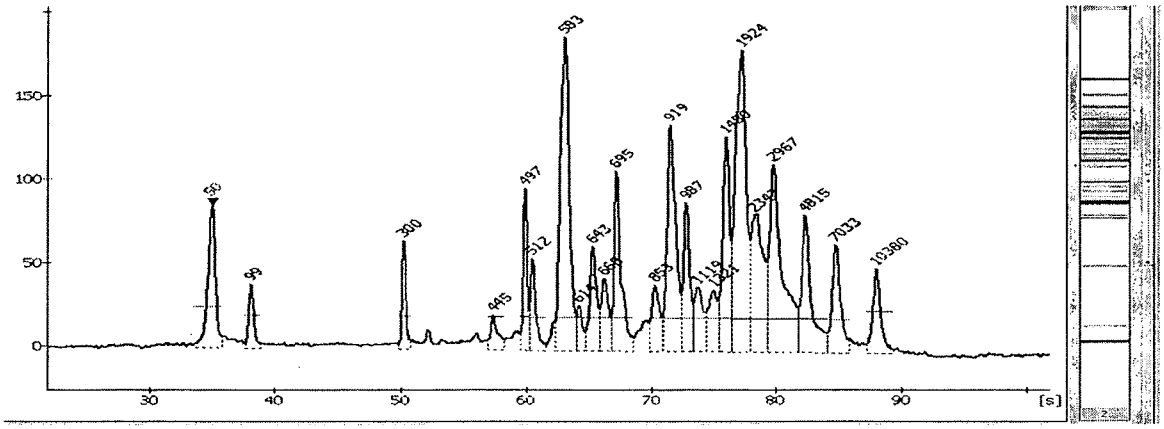

150
100
50
0
30
40
50
60
70
80
90
[s]
60
99
360
445
497
512
593
542
695
853
919
887
1924
2367
4815
7033
10380

Fig. 1

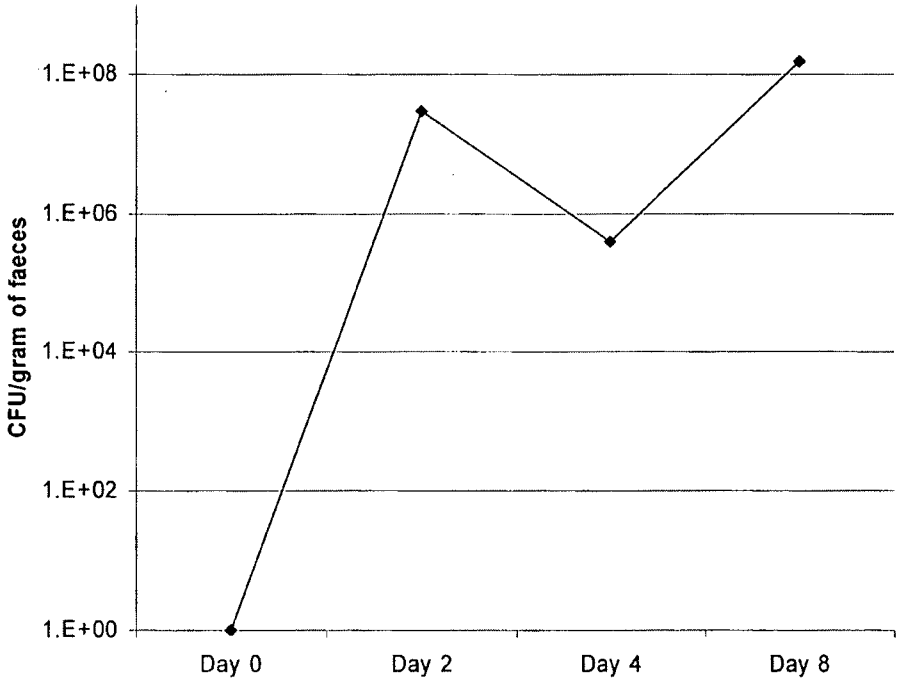

CFU/gram of faeces
1.E+08
1.E+06
1.E+04
1.E+02
1.E+00
Day 0
Day 2
Day 4
Day 8

Fig. 2

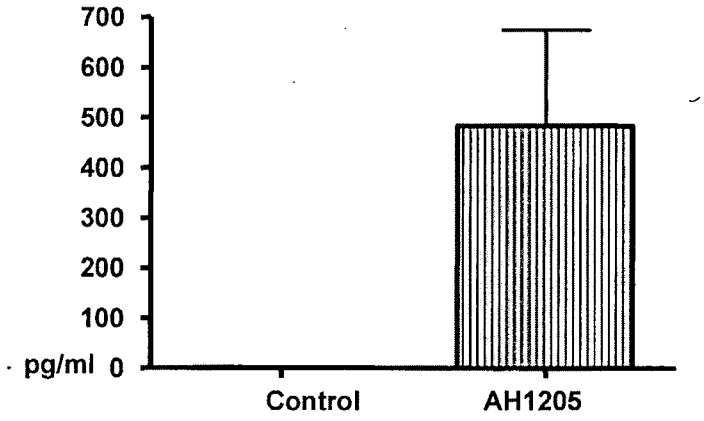

700
600
500
400
300
200
100
pg/ml 0
Control
AH1205

Fig. 3

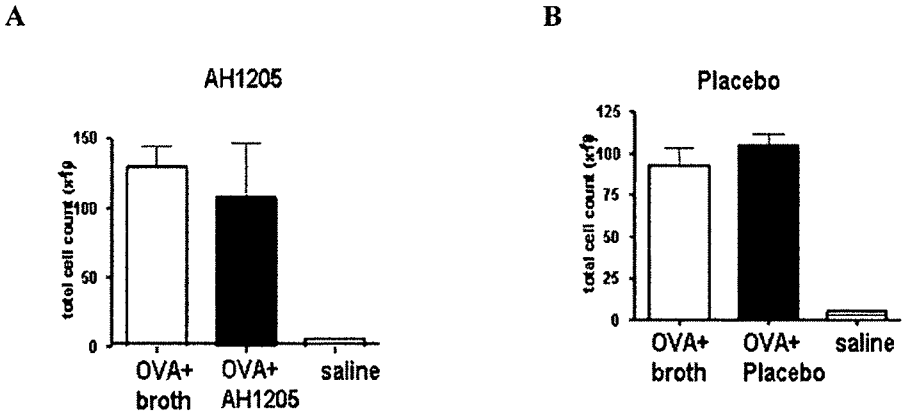
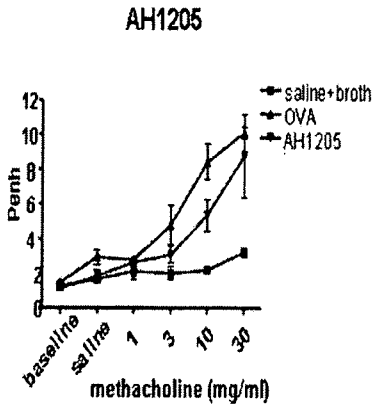

A
AH1205
150
100
50
0
total cell count (x10
OVA+ broth
OVA+ AH1205
saline
B
Placebo
125
100
75
50
25
0
total cell count (x10
OVA+ broth
OVA+ Placebo
saline

Fig. 4

A


AH1205
saline+broth
OVA
AH1205
Penh
12
10
8
6
4
2
0
baseline
saline
1
3
10
30
methacholine (mg/ml)

B

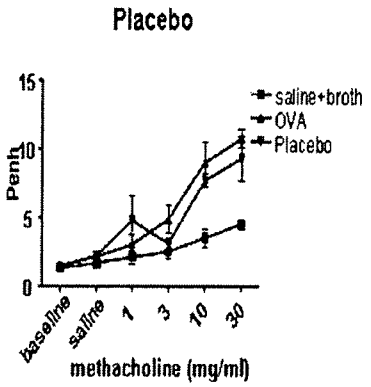

Placebo
saline+broth
OVA
Placebo
Penh
15
10
5
0
baseline
saline
1
3
10
30
methacholine (mg/ml)

Fig. 5

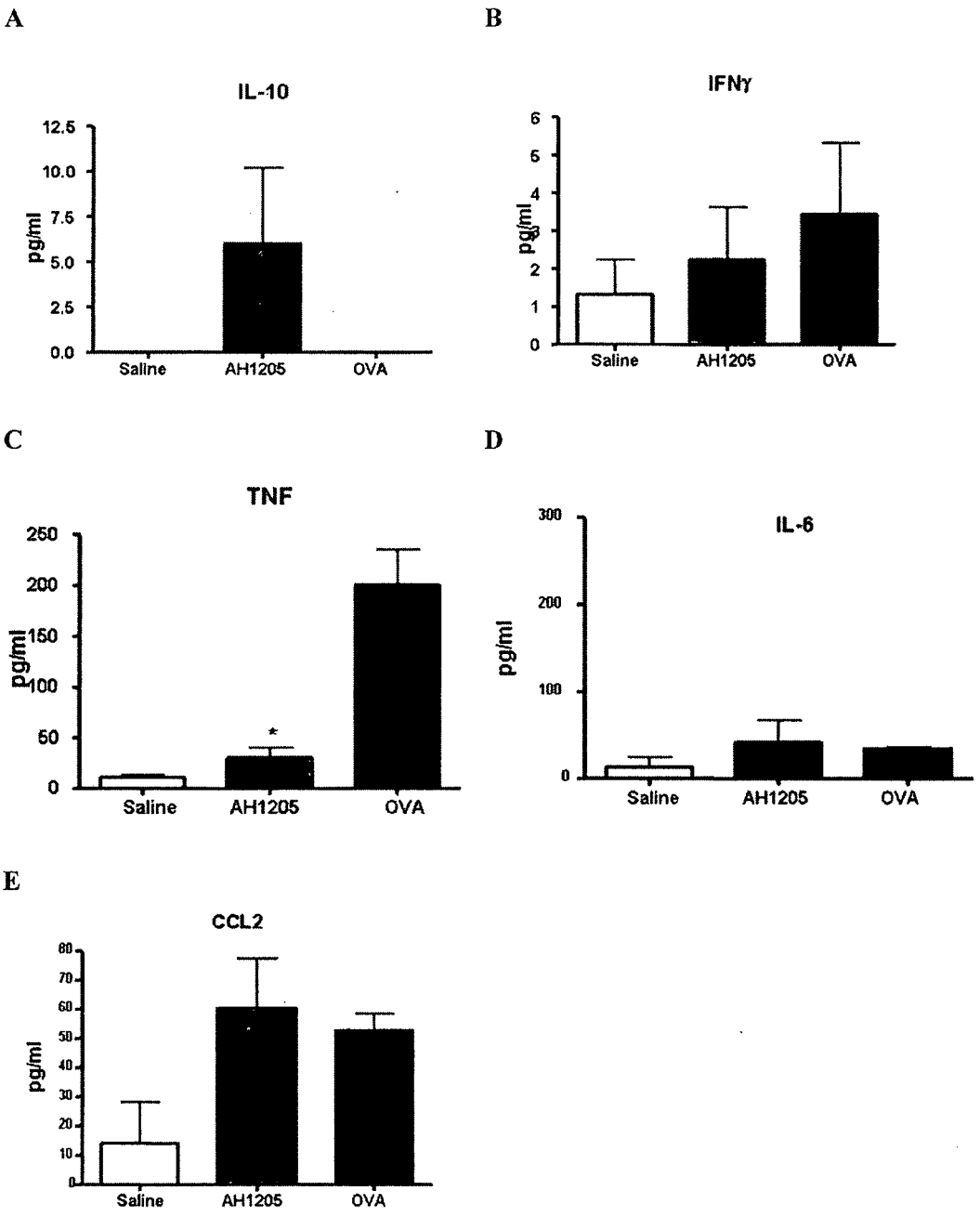

A
IL-10
12.5
10.0
7.5
5.0
2.5
0.0
pg/ml
Saline
AH1205
OVA
B
IFNγ
6
5
4
3
2
1
0
pg/ml
Saline
AH1205
OVA
C
TNF
250
200
150
100
50
0
pg/ml
*
Saline
AH1205
OVA
D
IL-6
300
200
100
0
pg/ml
Saline
AH1205
OVA
E
CCL2
80
70
60
50
40
30
20
10
0
pg/ml
Saline
AH1205
OVA

Fig. 6

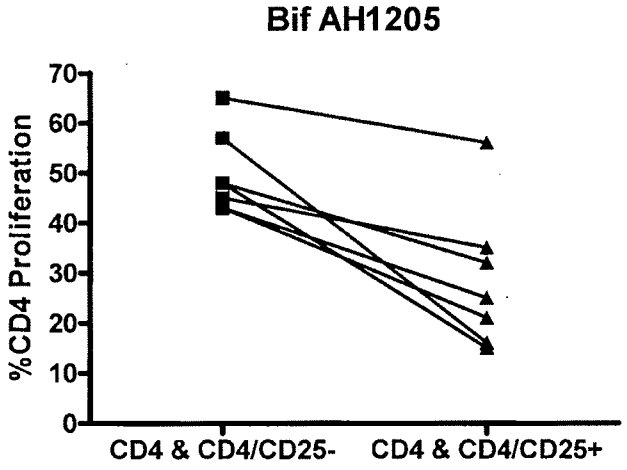

Bif AH1205
%CD4 Proliferation
70
60
50
40
30
20
10
0
CD4 & CD4/CD25-
CD4 & CD4/CD25+

Fig. 7

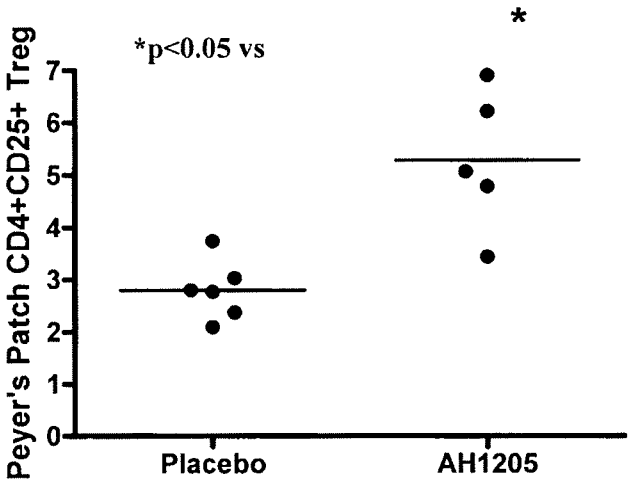

*p<0.05 vs
*
Peyer's Patch CD4+CD25+ Treg
7
6
5
4
3
2
1
0
Placebo
AH1205

Fig. 8

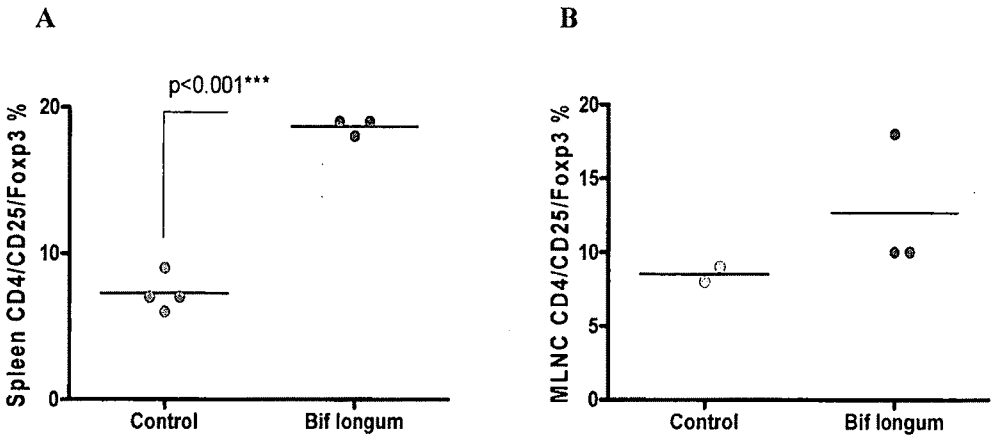

A
B
p<0.001***
Spleen CD4/CD25/Foxp3 %
MLNC CD4/CD25/Foxp3 %
20
15
10
5
0
Control
Bif longum

Fig. 9

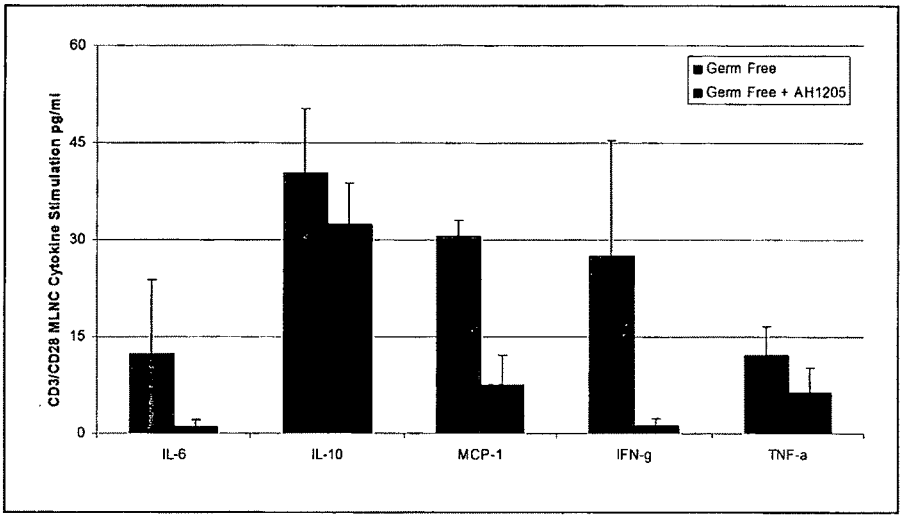

CD3/CD28 MLNC Cytokine Stimulation pg/ml
60
45
30
15
0
Germ Free
Germ Free + AH1205
IL-6
IL-10
MCP-1
IFN-g
TNF-a

Fig. 10

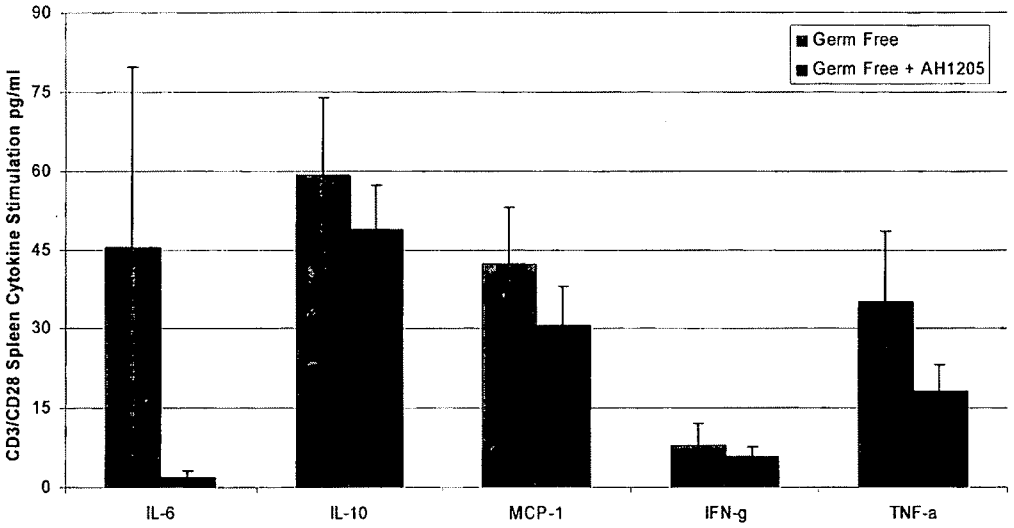

CD3/CD28 Spleen Cytokine Stimulation pg/ml
90
75
60
45
30
15
0
Germ Free
Germ Free + AH1205
IL-6
IL-10
MCP-1
IFN-g
TNF-a

Fig. 11

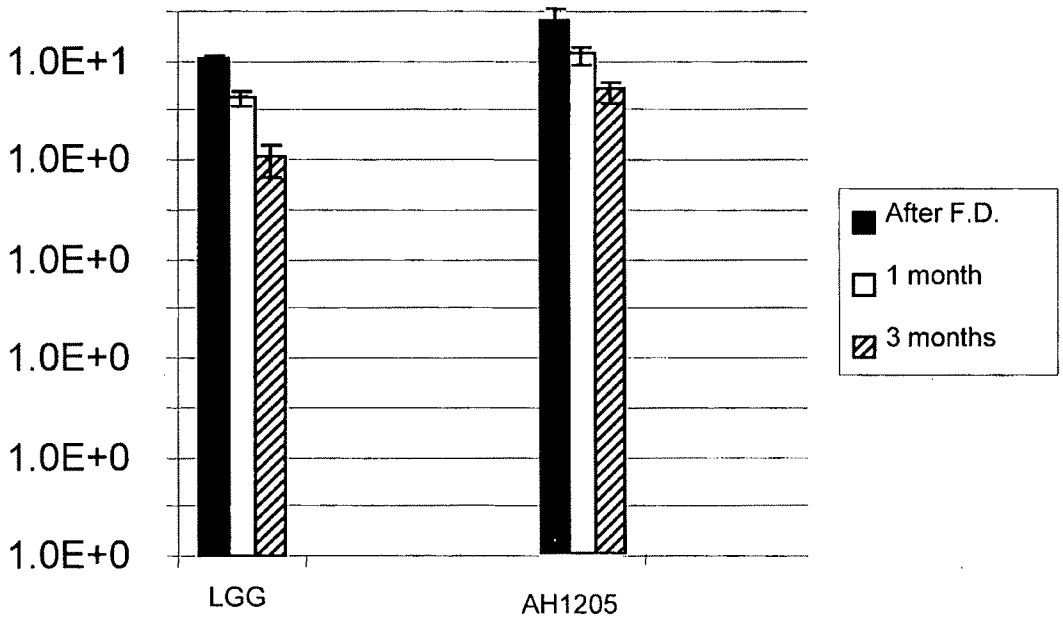

1.0E+1
1.0E+0
1.0E+0
1.0E+0
1.0E+0
1.0E+0
After F.D.
1 month
3 months
LGG
AH1205

Fig. 12