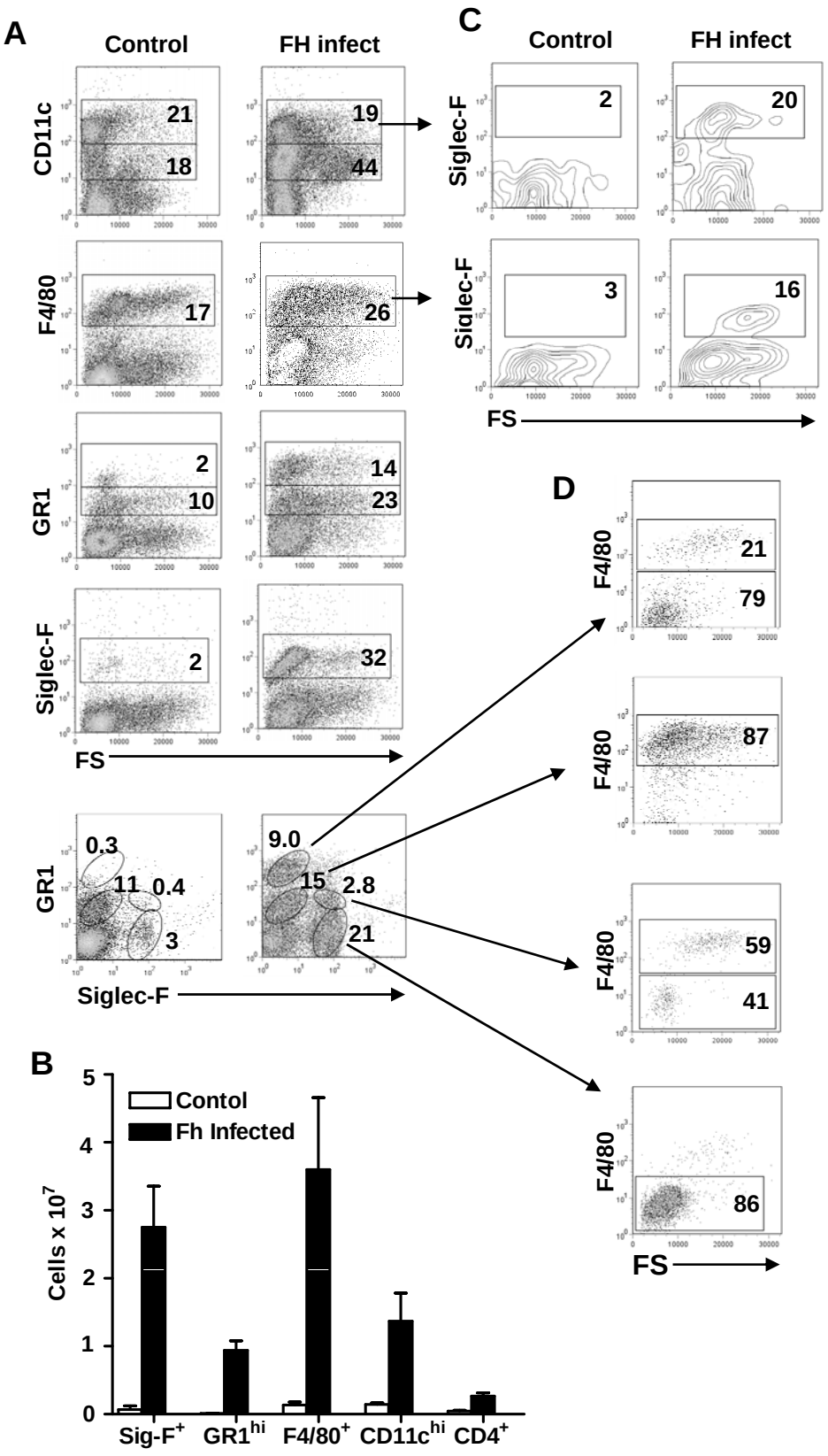
A
Control
FH infect
CD11c
21
18
19
44
F4/80
17
26
GR1
2
10
14
23
Siglec-F
2
32
FS
GR1
0,3
11
0.4
3
9.0
15
2.8
21
Siglec-F
C
Control
FH infect
Siglec-F
2
20
Siglec-F
3
16
FS
D
F4/80
21
79
F4/80
87
F4/80
59
41
F4/80
86
FS
B
Contol
Fh Infected
Cells x 10^7
0
1
2
3
4
5
Sig-F+
GR1hi
F4/80+
CD11chi
CD4+

**Figure 1**

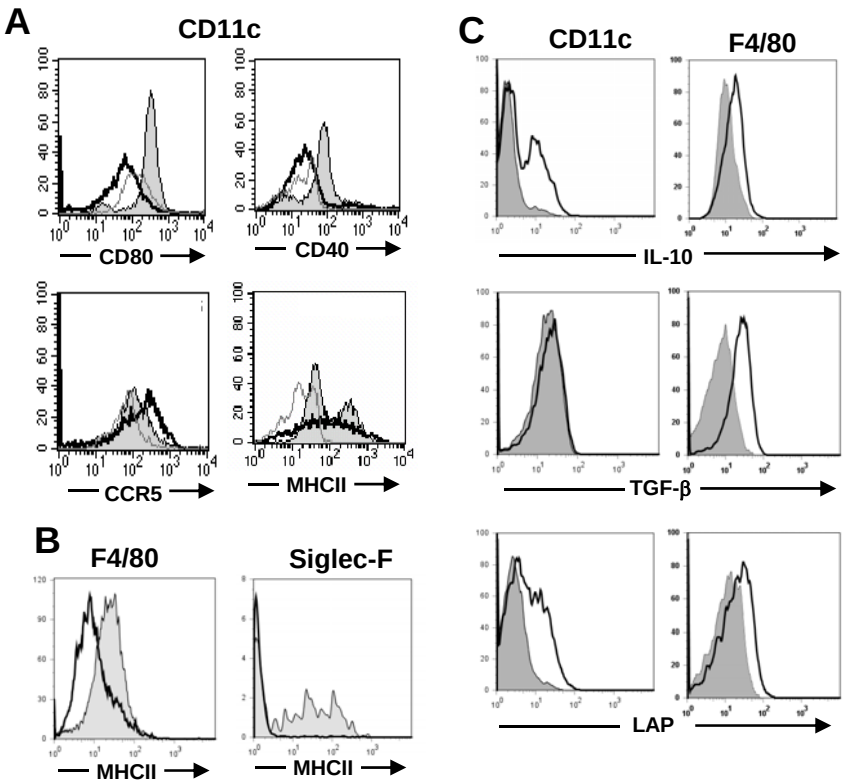
A
CD11c
CD80
CD40
CCR5
MHCII
B
F4/80
Siglec-F
MHCII
MHCII
C
CD11c
F4/80
IL-10
TGF-β
LAP

**Figure 2**

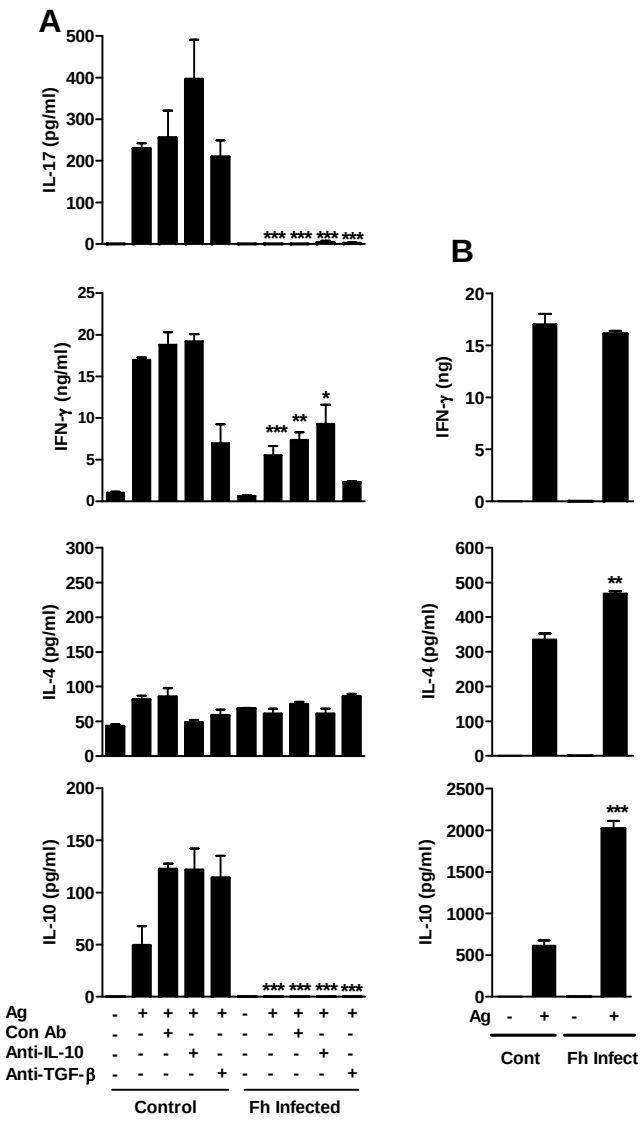
A
IL-17 (pg/ml)
IFN-γ (ng/ml)
IL-4 (pg/ml)
IL-10 (pg/ml)
B
IFN-γ (ng)
IL-4 (pg/ml)
IL-10 (pg/ml)
Ag
Con Ab
Anti-IL-10
Anti-TGF-β
Control
Fh Infected
Cont
Fh Infect

**Figure 3**

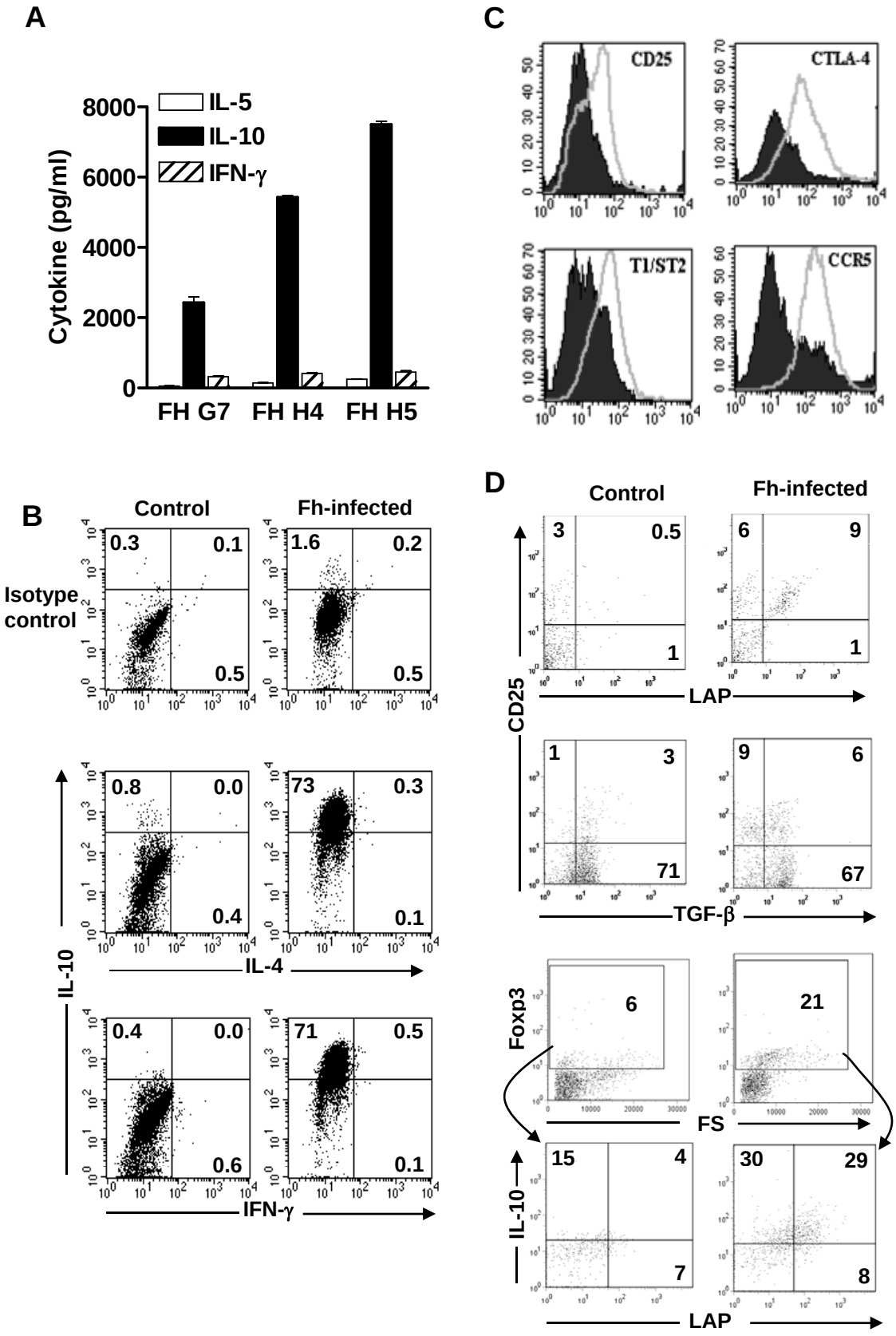
A
Cytokine (pg/ml)
8000
6000
4000
2000
0
IL-5
IL-10
IFN-γ
FH G7
FH H4
FH H5
B
Control
Fh-infected
Isotype control
0.3
0.1
0.5
1.6
0.2
0.5
IL-10
IL-4
0.8
0.0
0.4
73
0.3
0.1
IFN-γ
0.4
0.0
0.6
71
0.5
0.1
C
CD25
CTLA-4
T1/ST2
CCR5
D
Control
Fh-infected
CD25
LAP
3
0.5
1
6
9
1
TGF-β
1
3
71
9
6
67
Foxp3
FS
6
21
IL-10
LAP
15
4
7
30
29
8

**Figure 4**

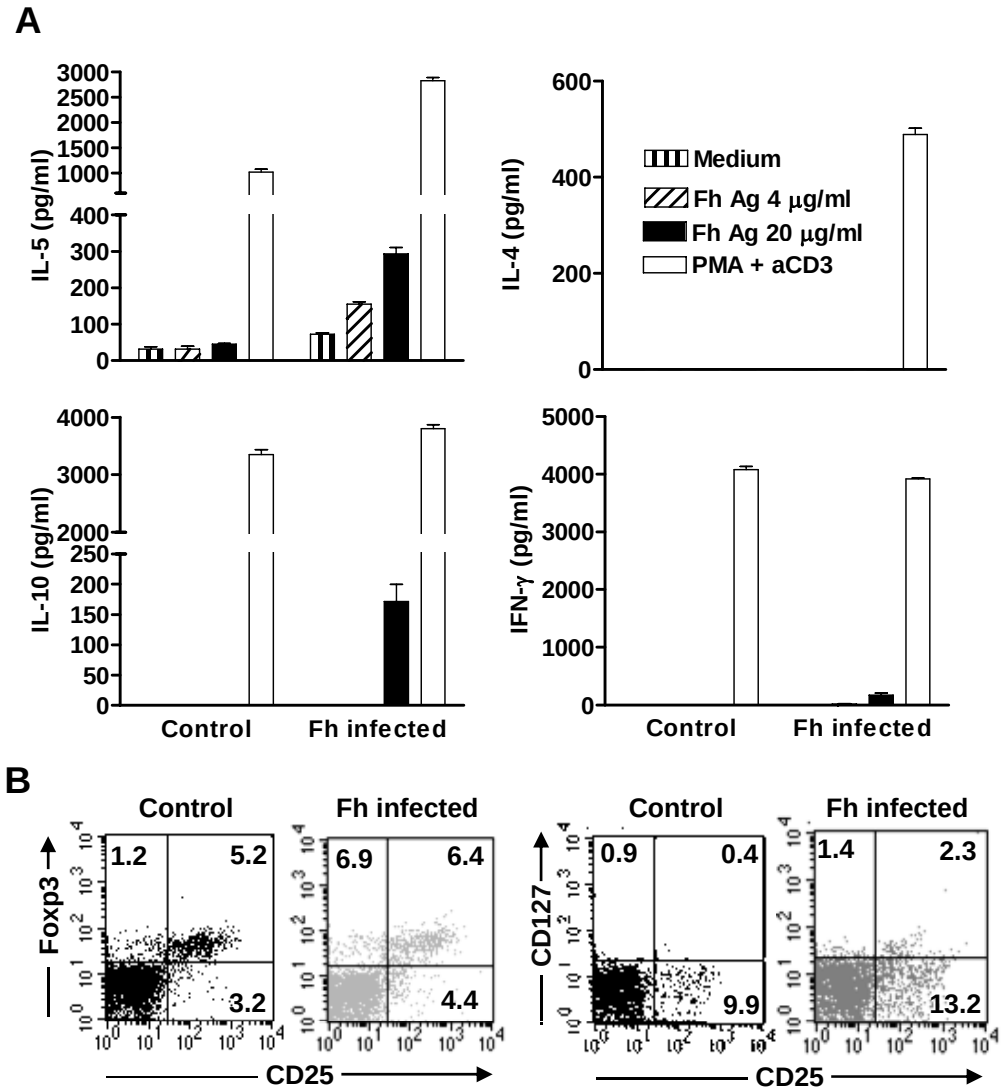
A
IL-5 (pg/ml)
IL-4 (pg/ml)
IL-10 (pg/ml)
IFN-γ (pg/ml)
Medium
Fh Ag 4 μg/ml
Fh Ag 20 μg/ml
PMA + aCD3
Control
Fh infected
B
Control
Fh infected
Foxp3
CD25
CD127
1.2
5.2
3.2
6.9
6.4
4.4
0.9
0.4
9.9
1.4
2.3
13.2

**Figure 5**

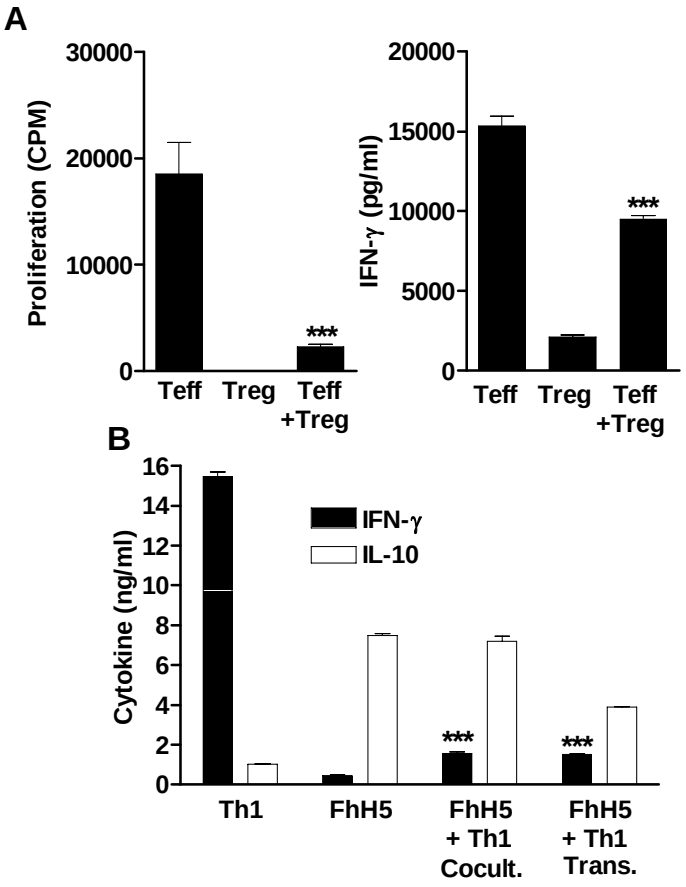
A
Proliferation (CPM)
30000
20000
10000
0
***
Teff
Treg
Teff +Treg
IFN-γ (pg/ml)
20000
15000
10000
5000
0
***
Teff
Treg
Teff +Treg
B
Cytokine (ng/ml)
16
14
12
10
8
6
4
2
0
IFN-γ
IL-10
***
***
Th1
FhH5
FhH5 + Th1 Cocult.
FhH5 + Th1 Trans.

**Figure 6**

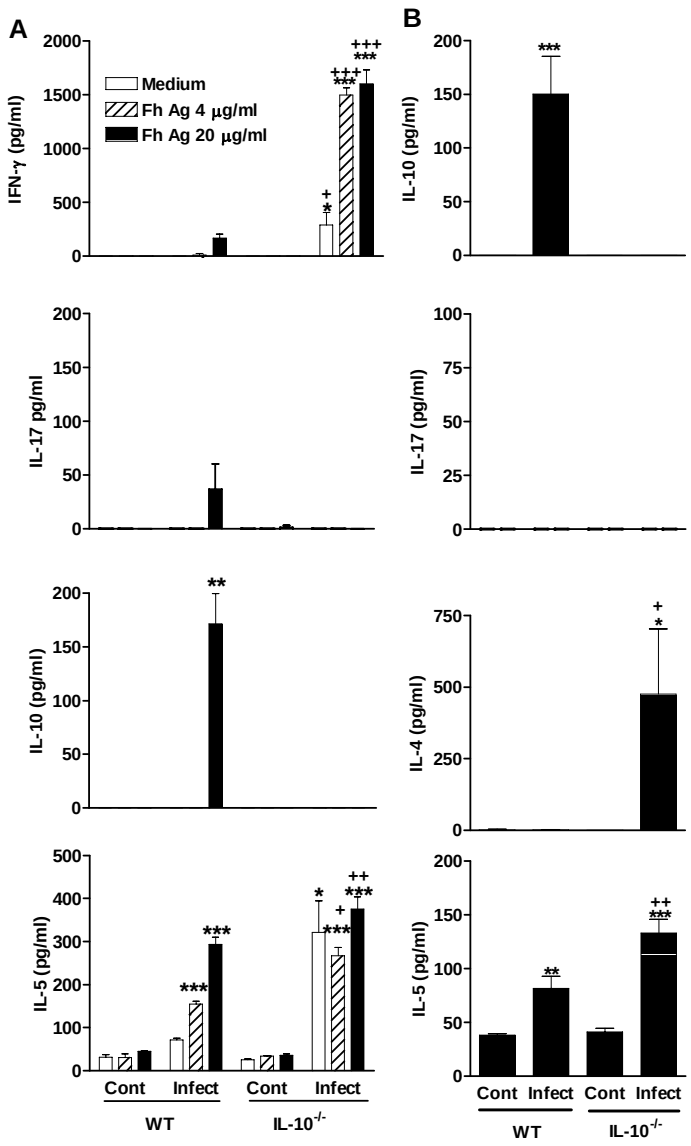
A
B
Medium
Fh Ag 4 μg/ml
Fh Ag 20 μg/ml
IFN-γ (pg/ml)
IL-17 pg/ml
IL-10 (pg/ml)
IL-5 (pg/ml)
IL-10 (pg/ml)
IL-17 (pg/ml)
IL-4 (pg/ml)
IL-5 (pg/ml)
Cont
Infect
Cont
Infect
WT
IL-10-/-
Cont
Infect
Cont
Infect
WT
IL-10-/-

**Figure 7**

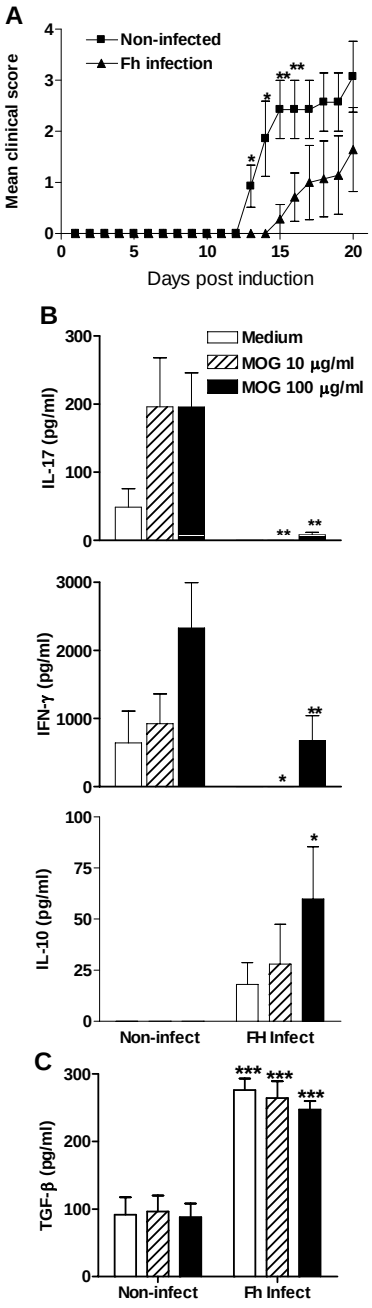
A
Non-infected
Fh infection
Mean clinical score
Days post induction
B
Medium
MOG 10 µg/ml
MOG 100 µg/ml
IL-17 (pg/ml)
IFN-γ (pg/ml)
IL-10 (pg/ml)
Non-infect
FH Infect
C
TGF-β (pg/ml)
Non-infect
Fh Infect

**Figure 8**

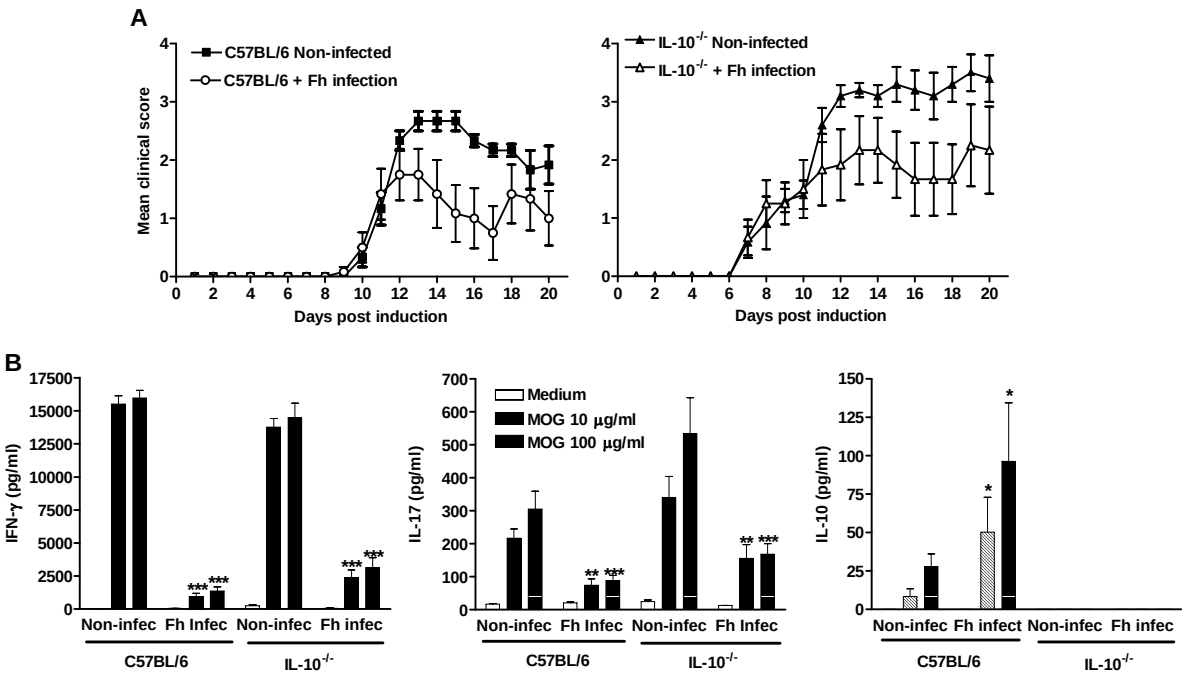
A
C57BL/6 Non-infected
C57BL/6 + Fh infection
Mean clinical score
Days post induction
IL-10-/- Non-infected
IL-10-/- + Fh infection
Days post induction
B
IFN-γ (pg/ml)
Non-infec
Fh Infec
Non-infec
Fh infec
C57BL/6
IL-10-/-
Medium
MOG 10 µg/ml
MOG 100 µg/ml
IL-17 (pg/ml)
IL-10 (pg/ml)

**Figure 9**

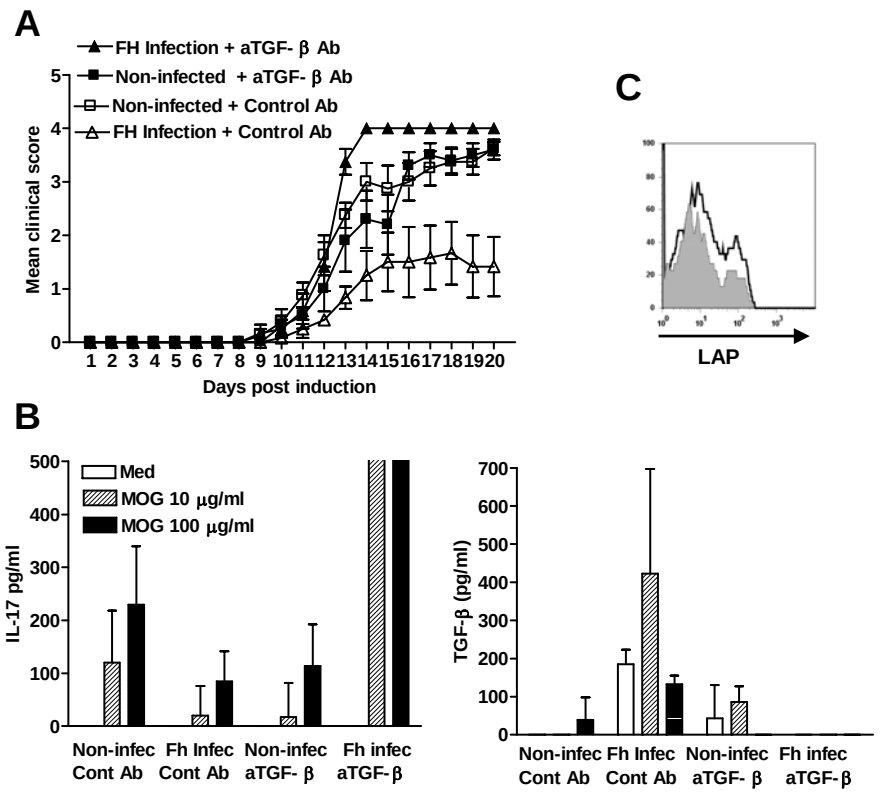
A
FH Infection + aTGF- β Ab
Non-infected + aTGF- β Ab
Non-infected + Control Ab
FH Infection + Control Ab
Mean clinical score
Days post induction
C
LAP
B
Med
MOG 10 μg/ml
MOG 100 μg/ml
IL-17 pg/ml
Non-infec Cont Ab
Fh Infec Cont Ab
Non-infec aTGF- β
Fh infec aTGF- β
TGF-β (pg/ml)

**Figure 10**