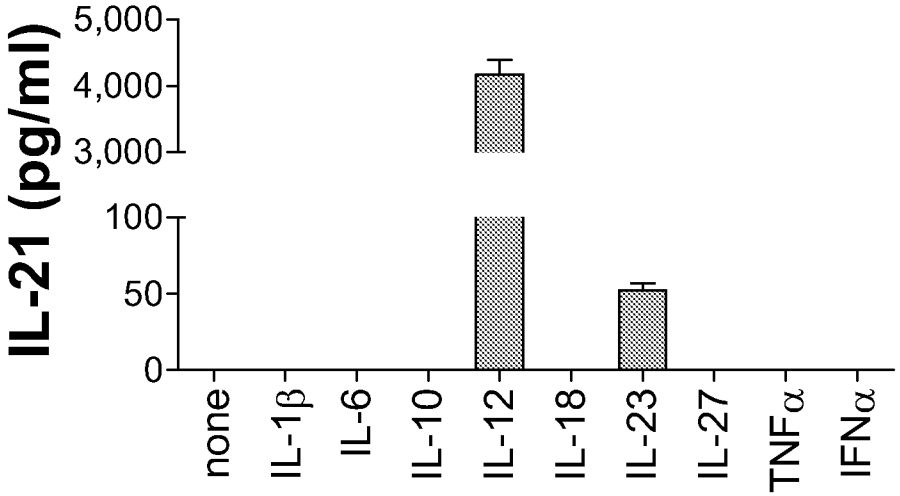


FIGURE 1

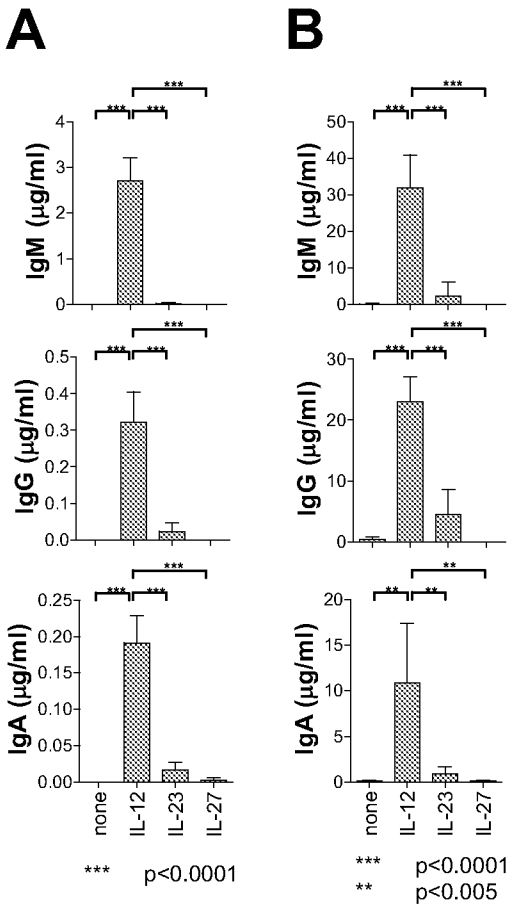


FIGURE 2

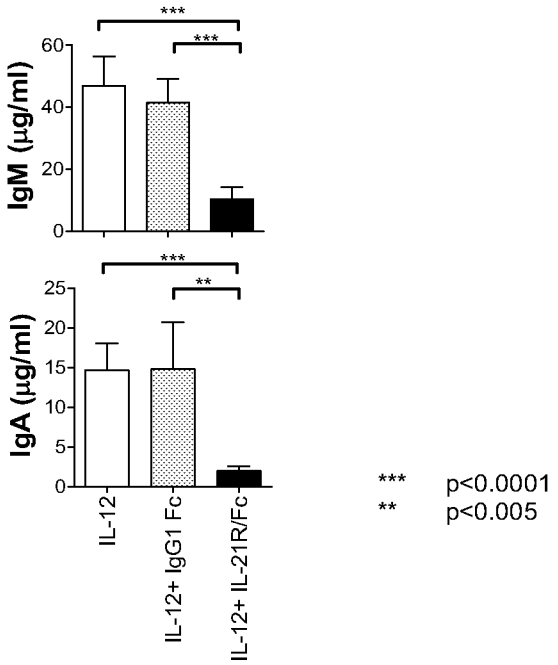


FIGURE 3

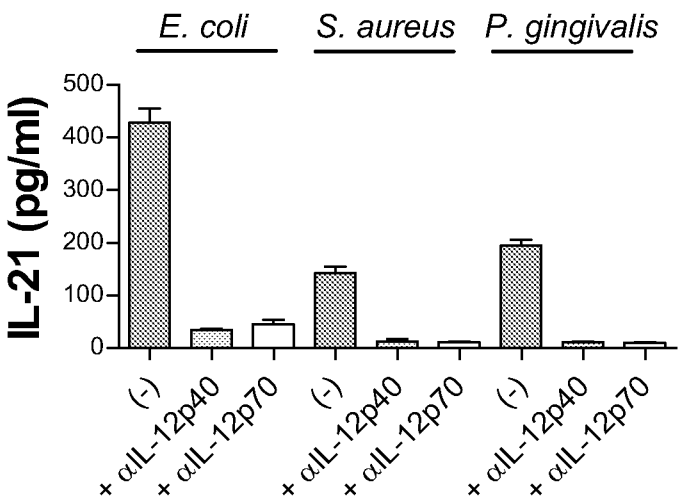


FIGURE 4

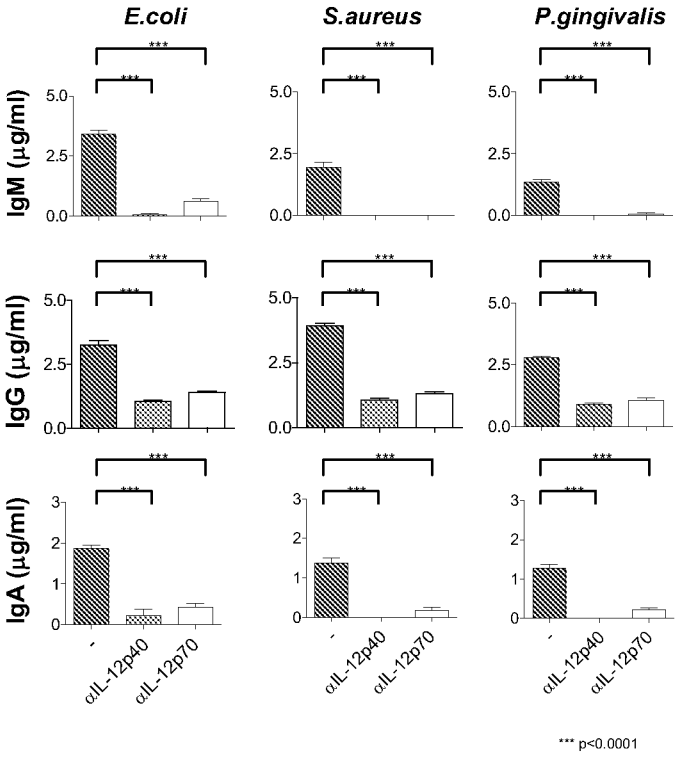

E.coli
S.aureus
P.gingivalis
IgM (µg/ml)
IgG (µg/ml)
IgA (µg/ml)
***
5.0
2.5
0.0
3
2
1
0
-
αIL-12p40
αIL-12p70
*** p<0.0001

FIGURE 5

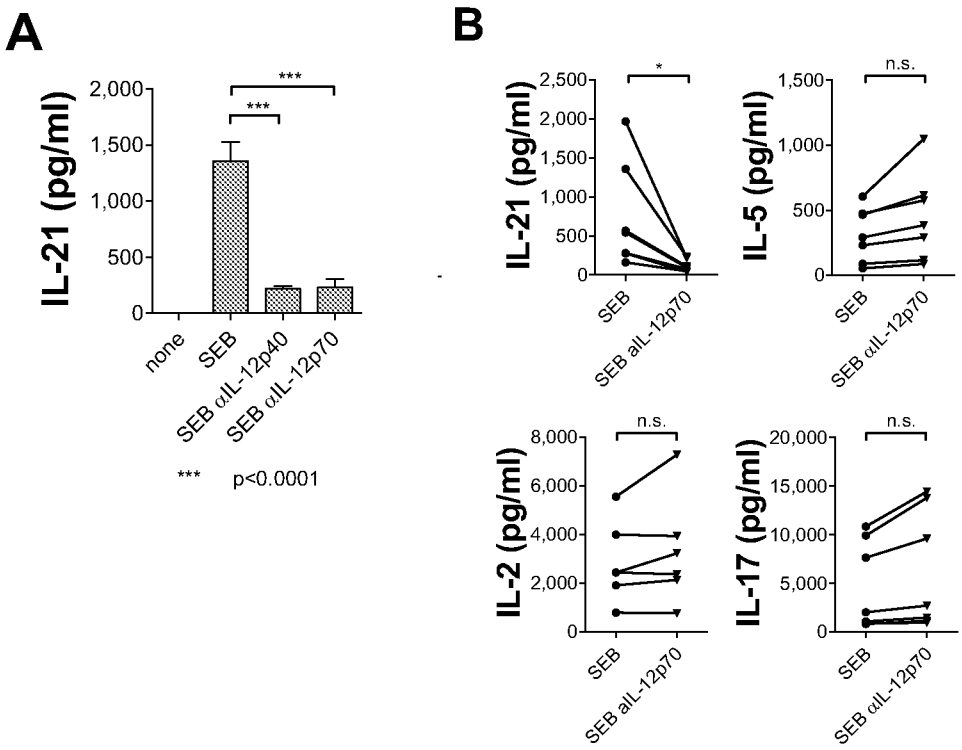

A
IL-21 (pg/ml)
2,000
1,500
1,000
500
0
***
***
none
SEB
SEB αIL-12p40
SEB αIL-12p70
*** p<0.0001
B
IL-21 (pg/ml)
2,500
2,000
1,500
1,000
500
0
*
SEB
SEB αIL-12p70
IL-5 (pg/ml)
1,500
1,000
500
0
n.s.
SEB
SEB αIL-12p70
IL-2 (pg/ml)
8,000
6,000
4,000
2,000
0
n.s.
SEB
SEB αIL-12p70
IL-17 (pg/ml)
20,000
15,000
10,000
5,000
0
n.s.
SEB
SEB αIL-12p70

FIGURE 6

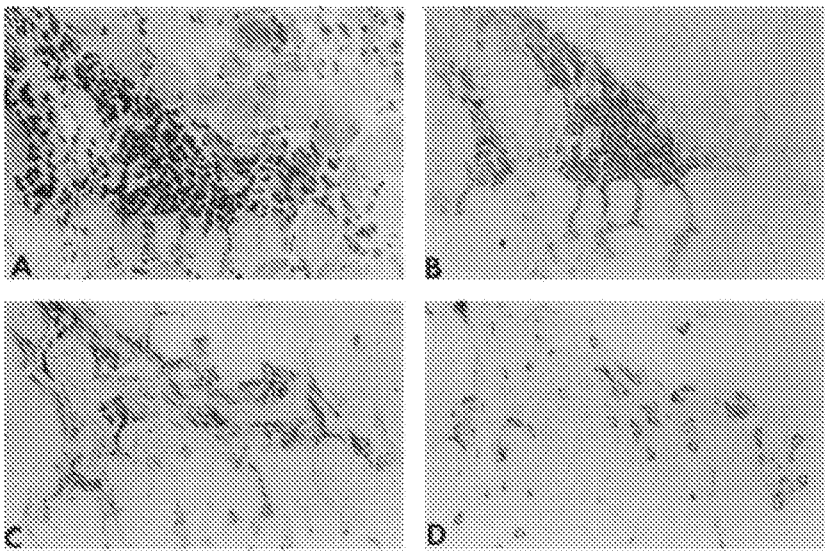
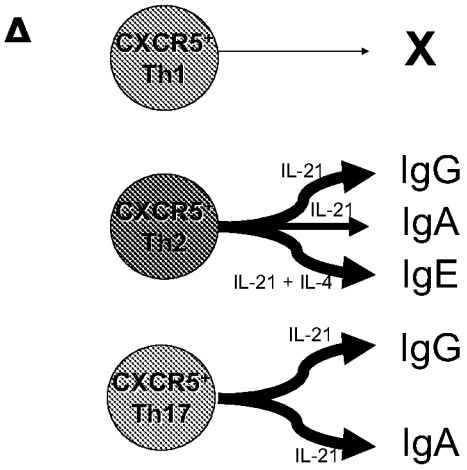


Figure 7: Infiltration of CD4+ T cells and B cells at the inflammatory sites in dermatomyositis. A: Infiltrating lymphocytes. B: B cells C: CD4+ T cells, D: CD8+ T cells. (Arahata et al. 1984. Ann. Neurol.[1])

FIGURE 7


A
CXCR5+ Th1
X
CXCR5+ Th2
IL-21
IL-21
IL-21 + IL-4
IgG
IgA
IgE
CXCR5+ Th17
IL-21
IL-21
IgG
IgA

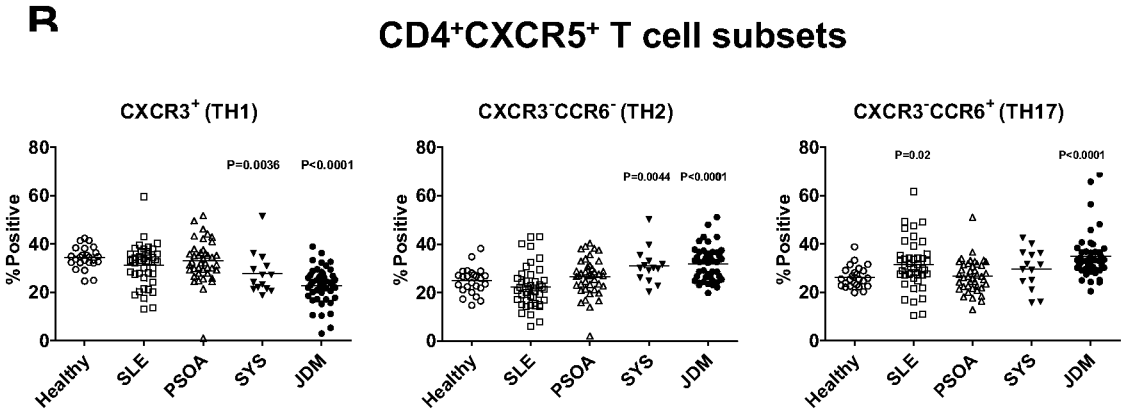

B
CD4+CXCR5+ T cell subsets
CXCR3+ (TH1)
CXCR3-CCR6- (TH2)
CXCR3-CCR6+ (TH17)
% Positive
P=0.0036
P<0.0001
P=0.0044
P<0.0001
P=0.02
P<0.0001
Healthy
SLE
PSOA
SYS
JDM

FIGURE 8

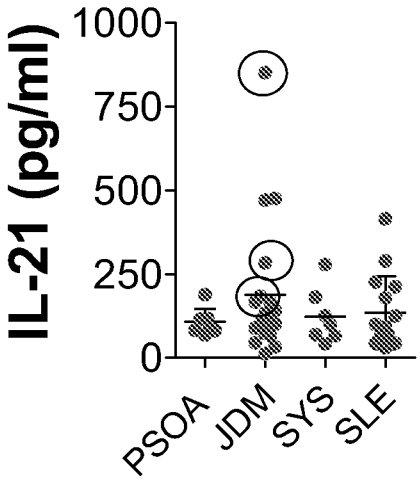


FIGURE 9

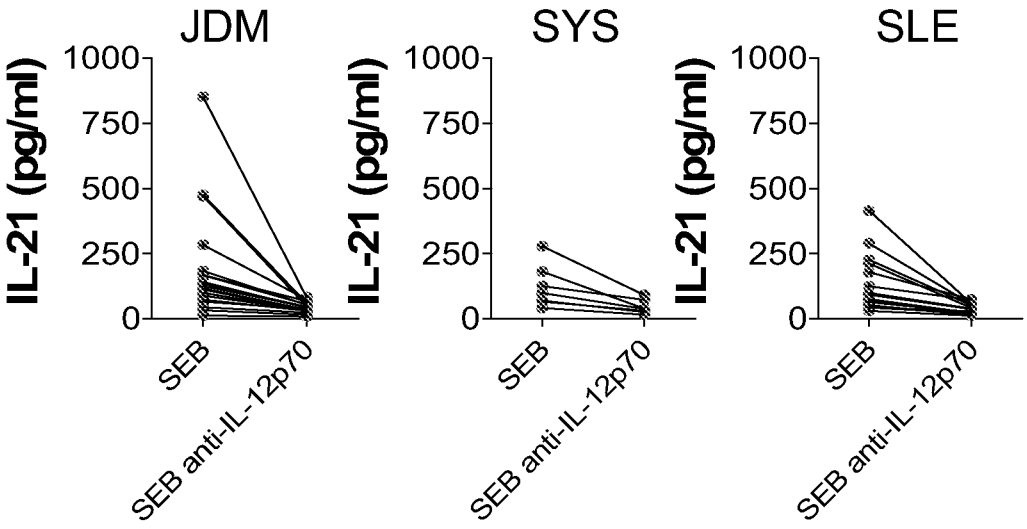


FIGURE 10