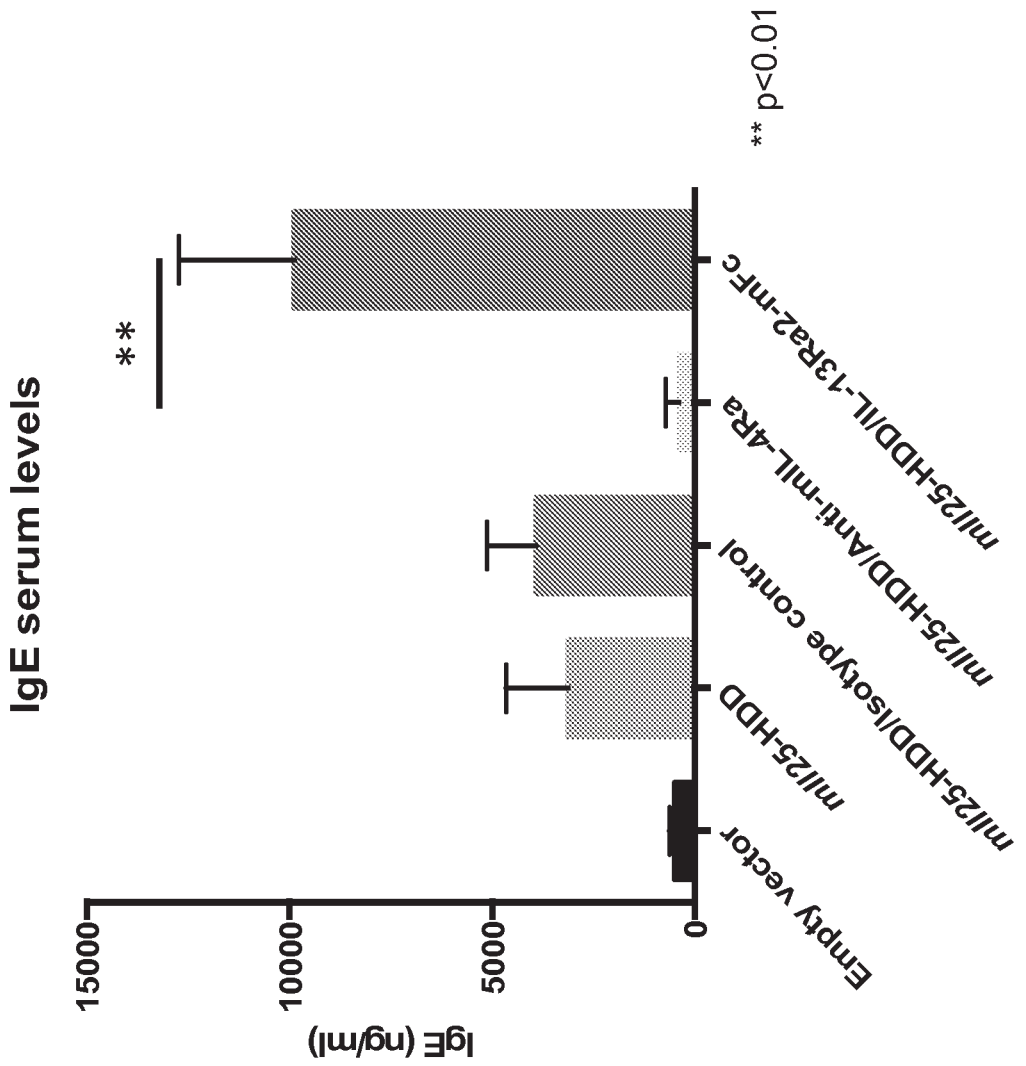

IgE serum levels
IgE (ng/ml)
15000
10000
5000
0
**
** p<0.01
Empty vector
mIl25-HDD
mIl25-HDD/isotype control
mIl25-HDD/Anti-mIL-4Ra
mIl25-HDD/IL-13Ra2-mFc

Figure 1

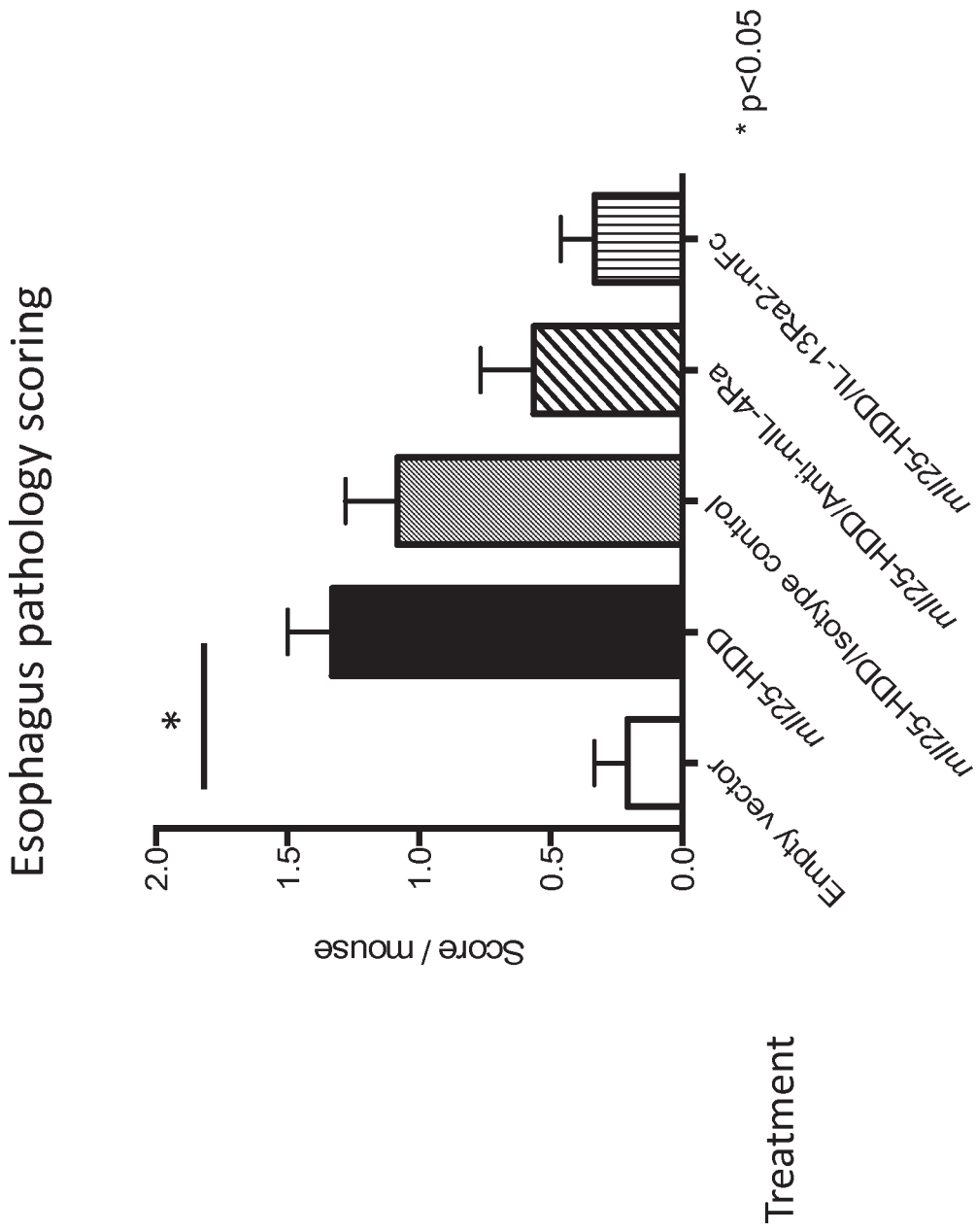

Esophagus pathology scoring
Score / mouse
2.0
1.5
1.0
0.5
0.0
*
Empty vector
mIl25-HDD
mIl25-HDD/Isotype control
mIl25-HDD/Anti-mIL-4RA
mIl25-HDD/IL-13Ra2-mFc
Treatment
* p<0.05

Figure 2

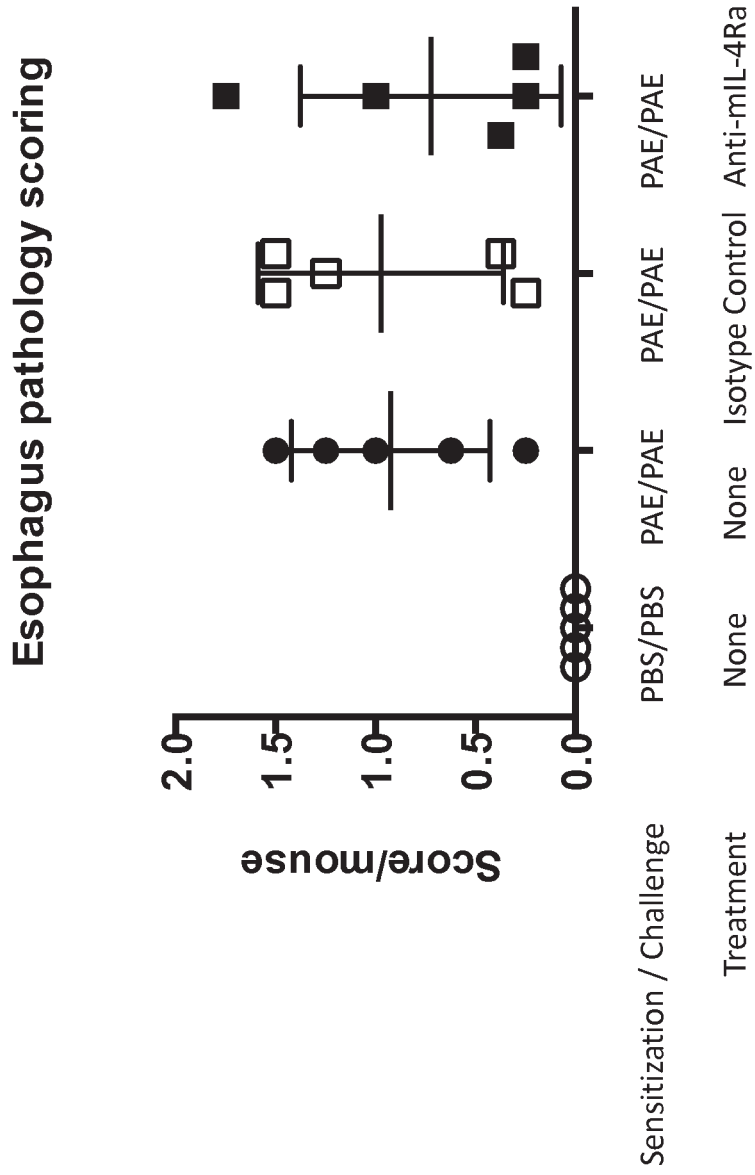

Esophagus pathology scoring
Score/mouse
2.0
1.5
1.0
0.5
0.0
Sensitization / Challenge
PBS/PBS
PAE/PAE
PAE/PAE
PAE/PAE
Treatment
None
None
Isotype Control
Anti-mIL-4Ra

Figure 3

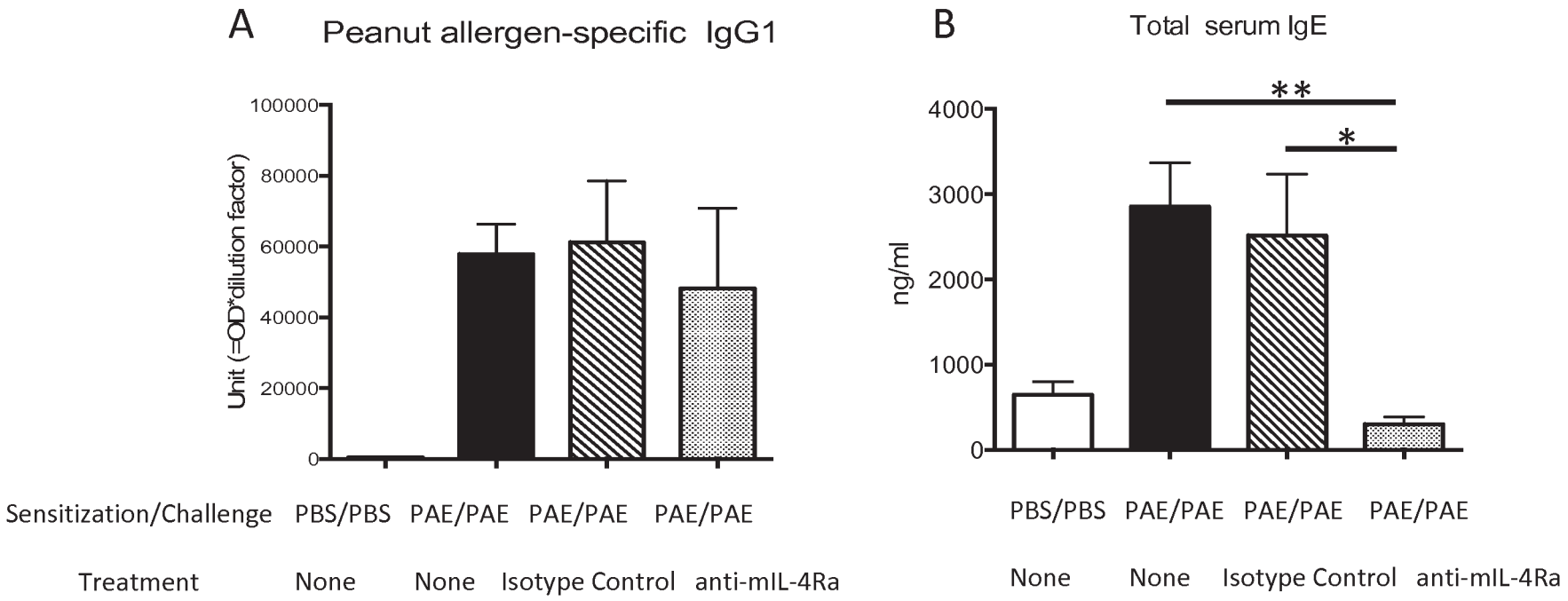

A
Peanut allergen-specific IgG1
Unit (=OD*dilution factor)
100000
80000
60000
40000
20000
0
B
Total serum IgE
ng/ml
4000
3000
2000
1000
0
**
*
Sensitization/Challenge PBS/PBS PAE/PAE PAE/PAE PAE/PAE
Treatment None None Isotype Control anti-mIL-4Ra
PBS/PBS PAE/PAE PAE/PAE PAE/PAE
None None Isotype Control anti-mIL-4Ra

Figure 4