Fig. 1

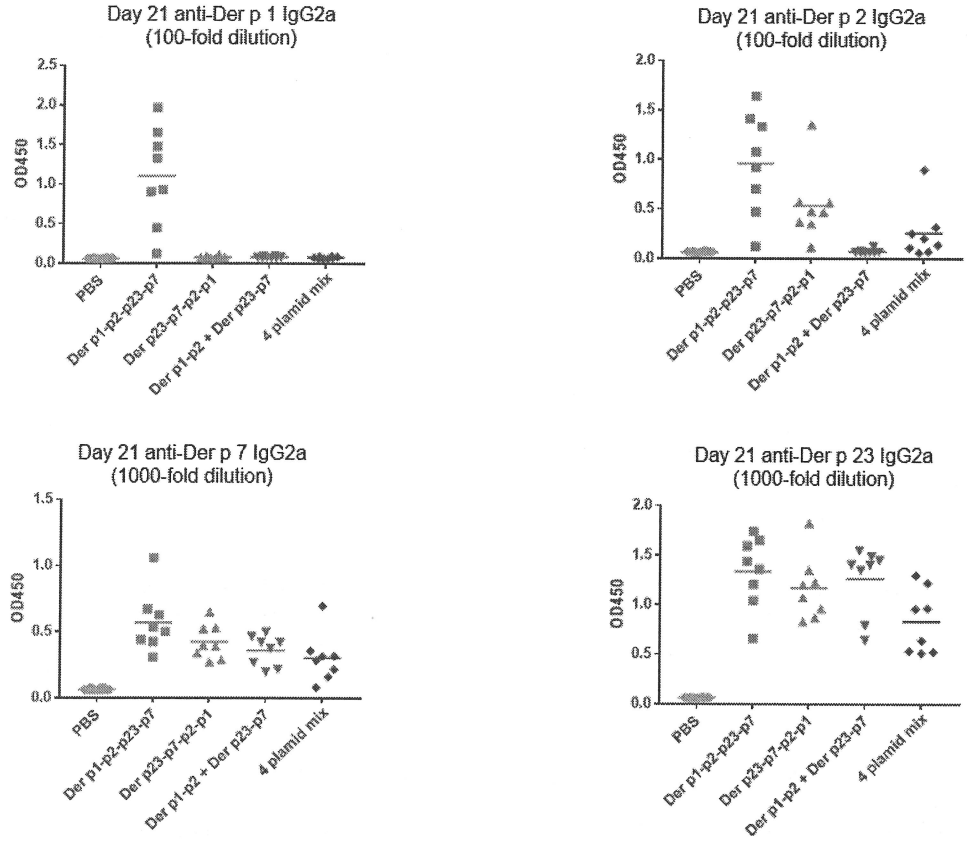

Day 21 anti-Der p 1 IgG2a
(100-fold dilution)
OD450
PBS
Der p1-p2-p23-p7
Der p23-p7-p2-p1
Der p1-p2 + Der p23-p7
4 plasmid mix
Day 21 anti-Der p 2 IgG2a
(100-fold dilution)
Day 21 anti-Der p 7 IgG2a
(1000-fold dilution)
Day 21 anti-Der p 23 IgG2a
(1000-fold dilution)

Fig. 2

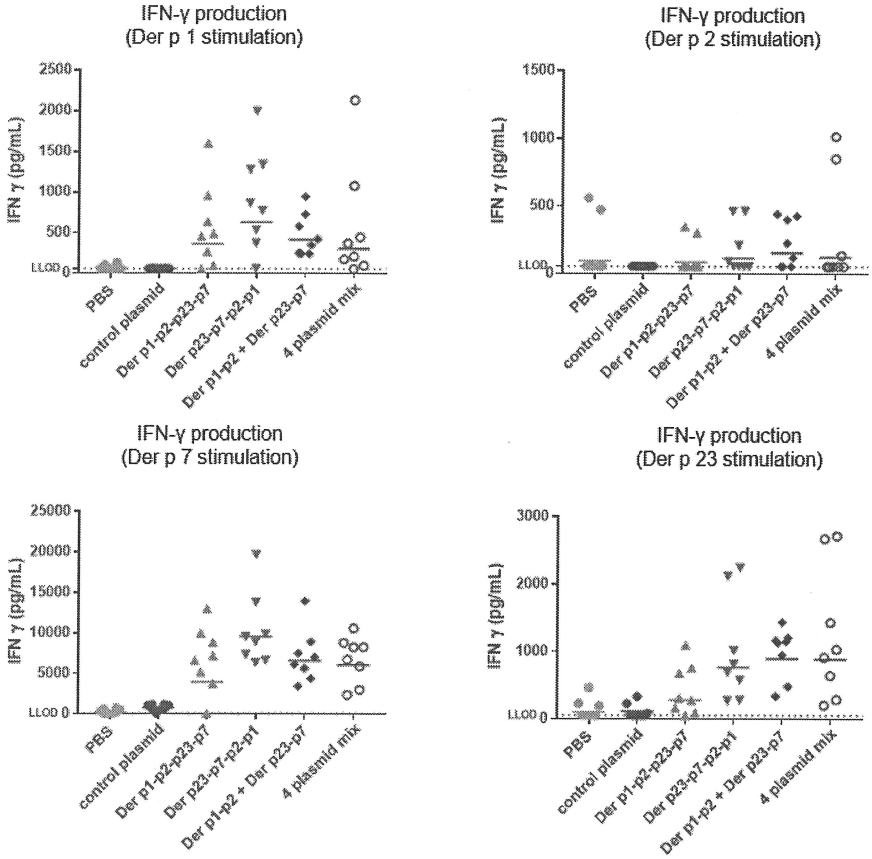
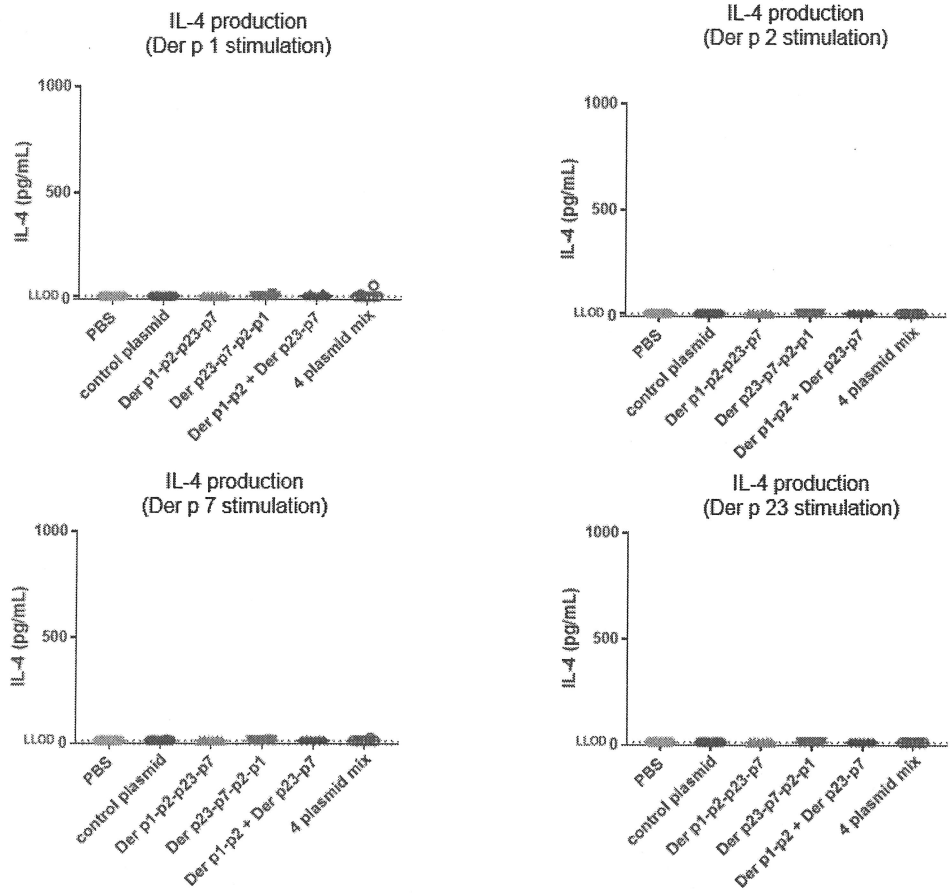

IFN-γ production
(Der p 1 stimulation)
IFN γ (pg/mL)
LLOD
PBS
control plasmid
Der p1-p2-p23-p7
Der p23-p7-p2-p1
Der p1-p2 + Der p23-p7
4 plasmid mix
IFN-γ production
(Der p 2 stimulation)
IFN-γ production
(Der p 7 stimulation)
IFN-γ production
(Der p 23 stimulation)

Fig. 3


IL-4 production
(Der p 1 stimulation)
IL-4 (pg/mL)
1000
500
LLOD 0
PBS
control plasmid
Der p1-p2-p23-p7
Der p23-p7-p2-p1
Der p1-p2 + Der p23-p7
4 plasmid mix
IL-4 production
(Der p 2 stimulation)
IL-4 (pg/mL)
1000
500
LLOD 0
PBS
control plasmid
Der p1-p2-p23-p7
Der p23-p7-p2-p1
Der p1-p2 + Der p23-p7
4 plasmid mix
IL-4 production
(Der p 7 stimulation)
IL-4 (pg/mL)
1000
500
LLOD 0
PBS
control plasmid
Der p1-p2-p23-p7
Der p23-p7-p2-p1
Der p1-p2 + Der p23-p7
4 plasmid mix
IL-4 production
(Der p 23 stimulation)
IL-4 (pg/mL)
1000
500
LLOD 0
PBS
control plasmid
Der p1-p2-p23-p7
Der p23-p7-p2-p1
Der p1-p2 + Der p23-p7
4 plasmid mix