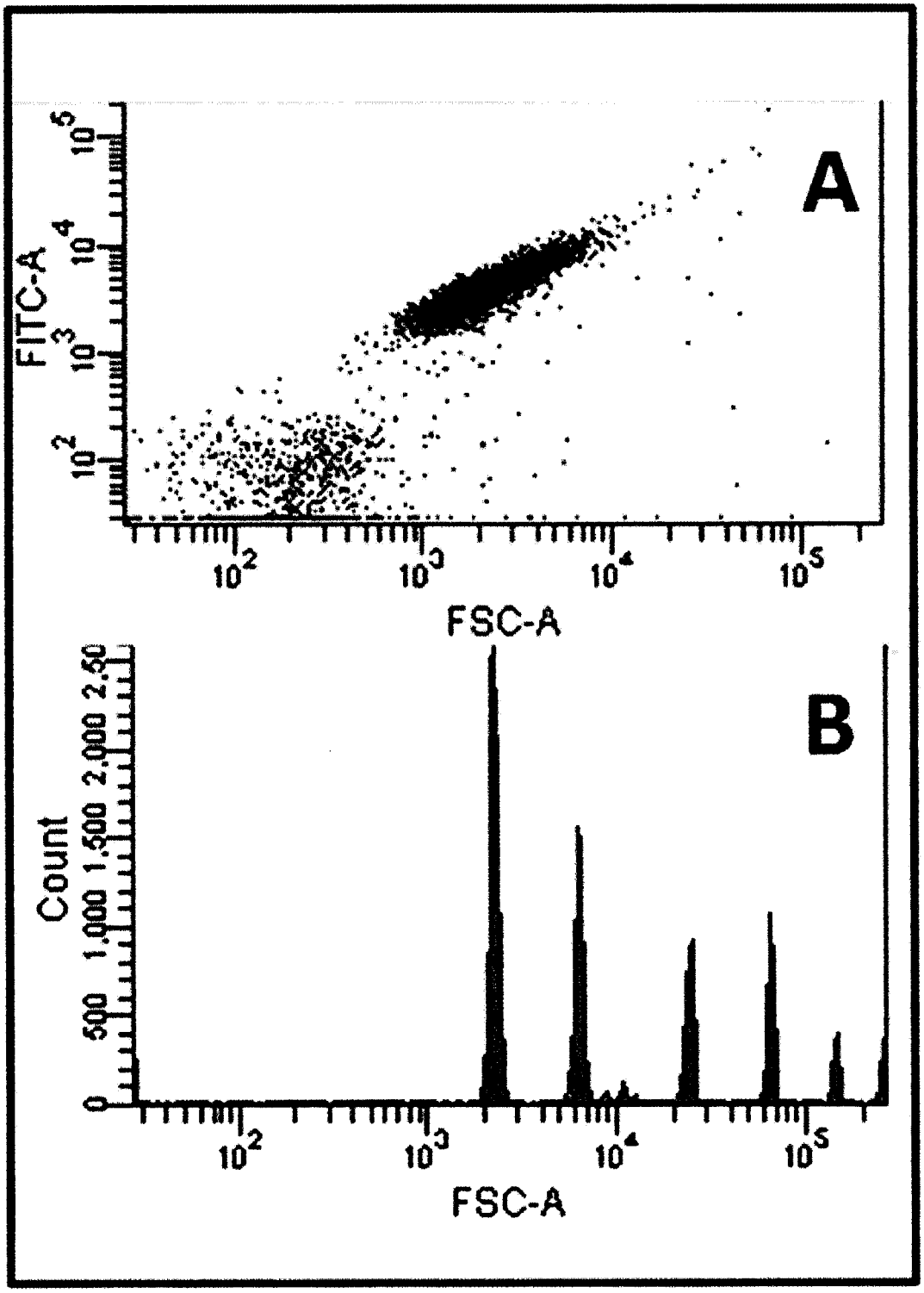

A
FITC-A
10^2
10^3
10^4
10^5
FSC-A
B
Count
0
500
1,000
1,500
2,000
2,500
10^2
10^3
10^4
10^5
FSC-A

Fig.1

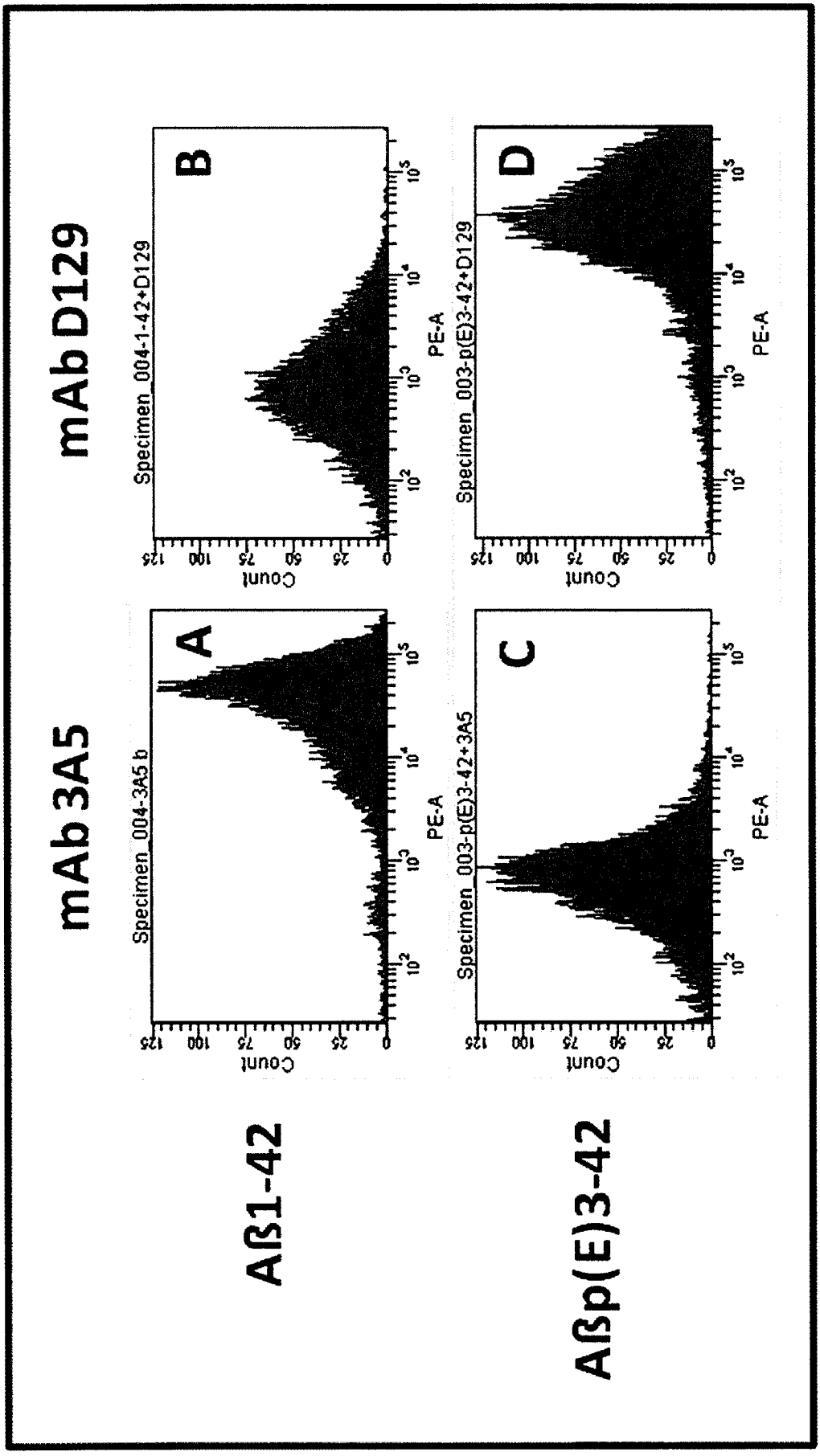
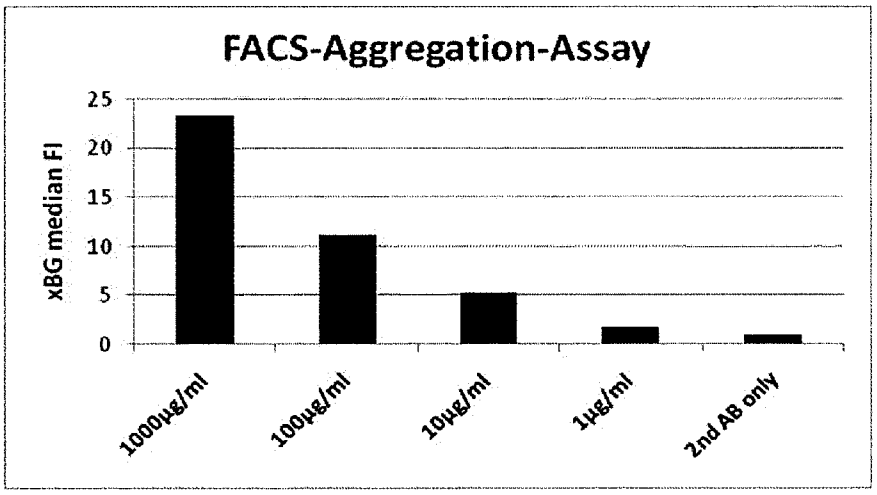

mAb 3A5
mAb D129
Aß1-42
Aßp(E)3-42
A
B
C
D
Specimen_004-3A5 b
Specimen_004-1-42+D129
Specimen_003-p(E)3-42+3A5
Specimen_003-p(E)3-42+D129
Count
PE-A

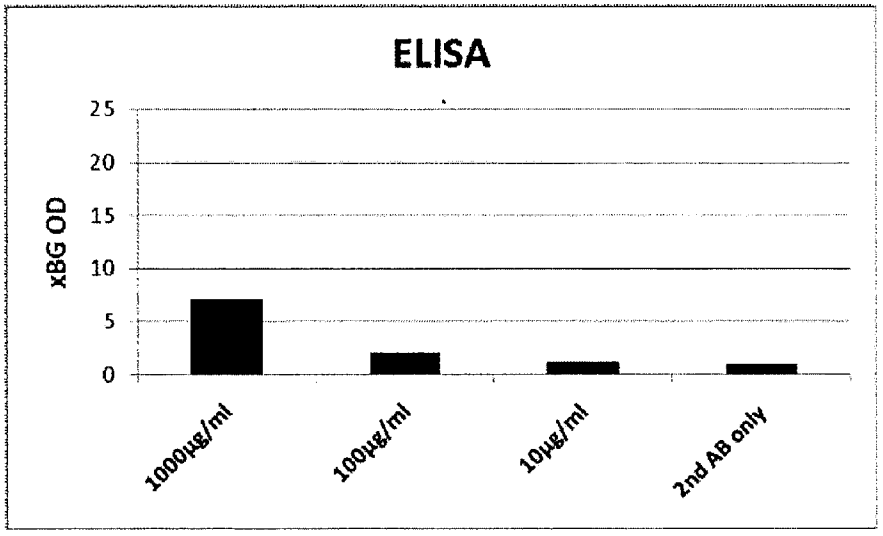
Fig. 2

Fig.3

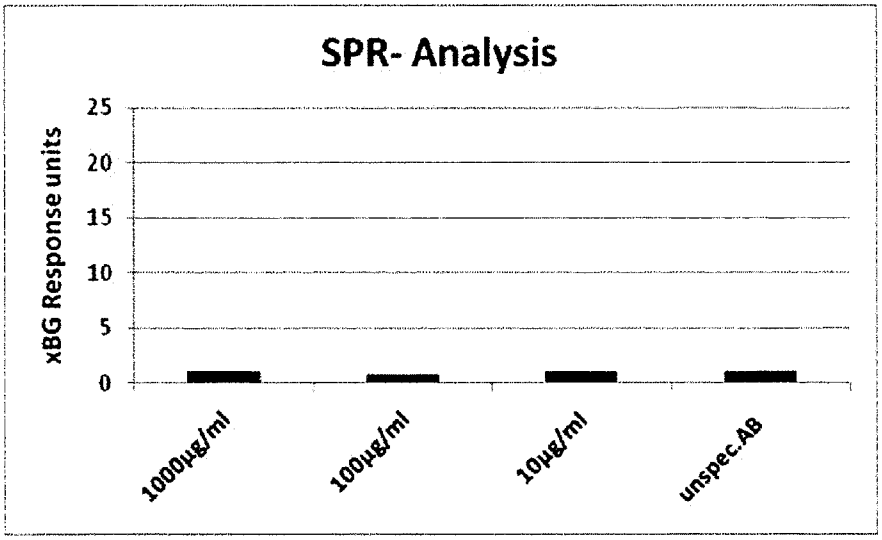
A


FACS-Aggregation-Assay
xBG median FI
25
20
15
10
5
0
1000µg/ml
100µg/ml
10µg/ml
1µg/ml
2nd AB only

B


ELISA
xBG OD
25
20
15
10
5
0
1000µg/ml
100µg/ml
10µg/ml
2nd AB only

C


SPR- Analysis
xBG Response units
25
20
15
10
5
0
1000µg/ml
100µg/ml
10µg/ml
unspec.AB

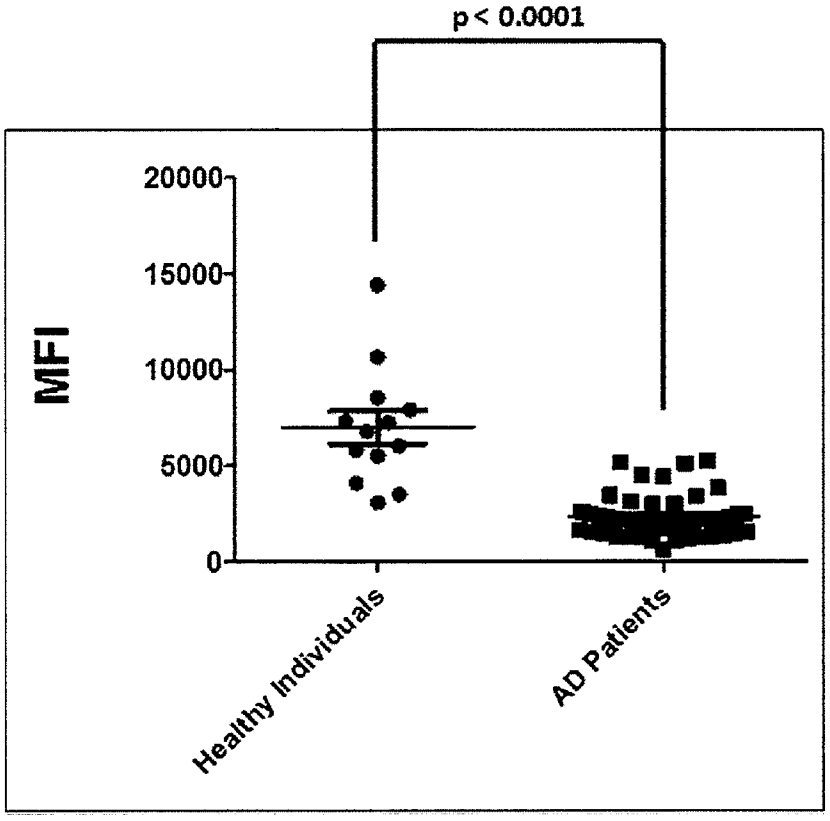

p < 0.0001
MFI
20000
15000
10000
5000
0
Healthy Individuals
AD Patients

Fig.4

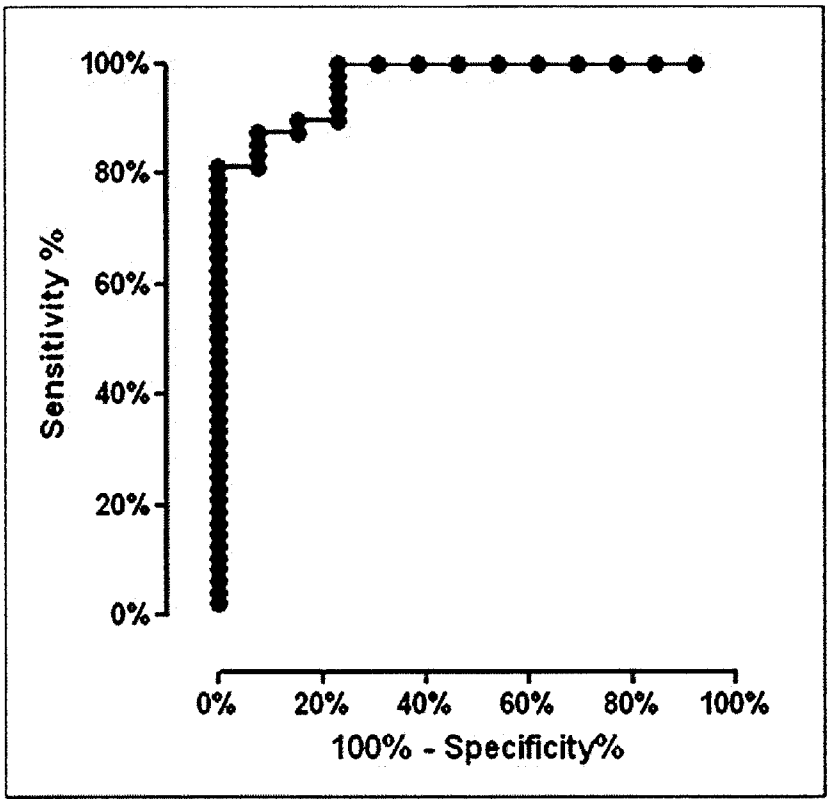
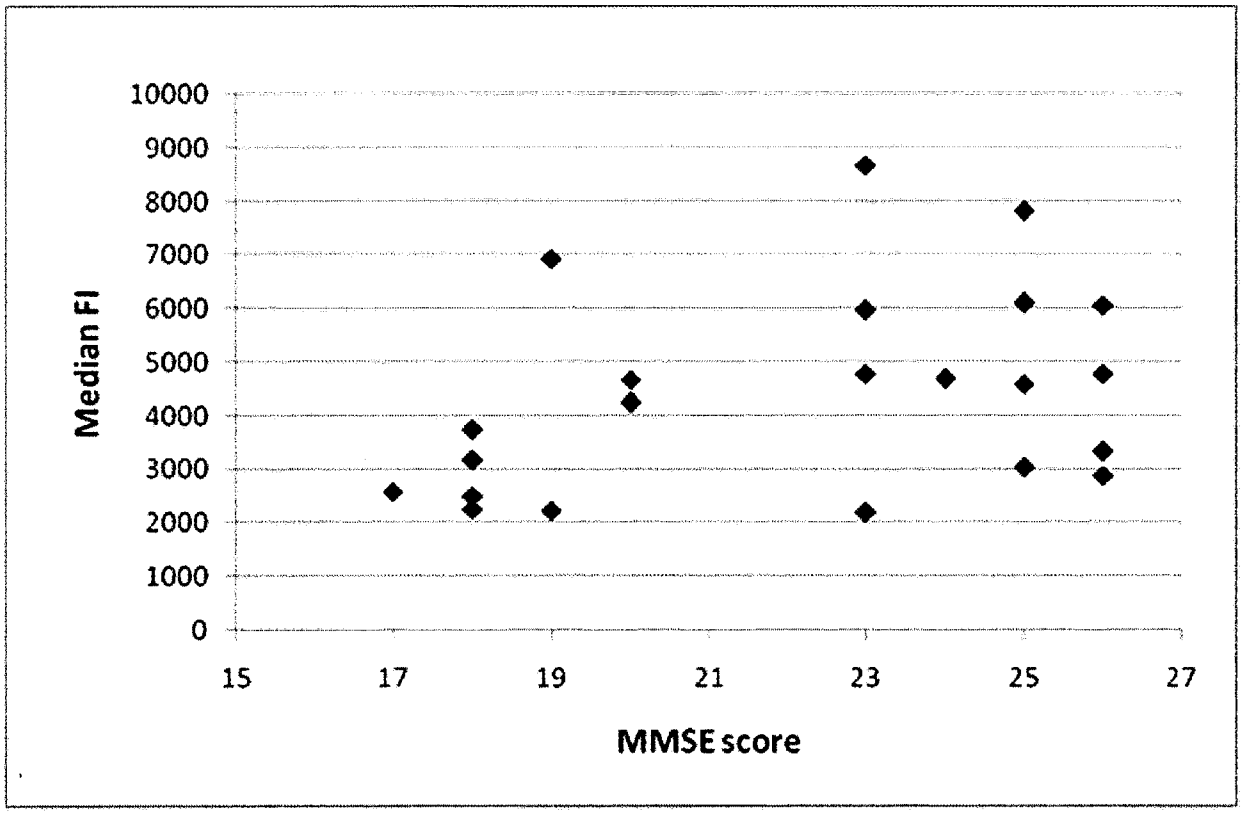

Sensitivity %
100%
80%
60%
40%
20%
0%
0%
20%
40%
60%
80%
100%
100% - Specificity%

Fig.5

Fig.6


Median FI
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
15
17
19
21
23
25
27
MMSE score

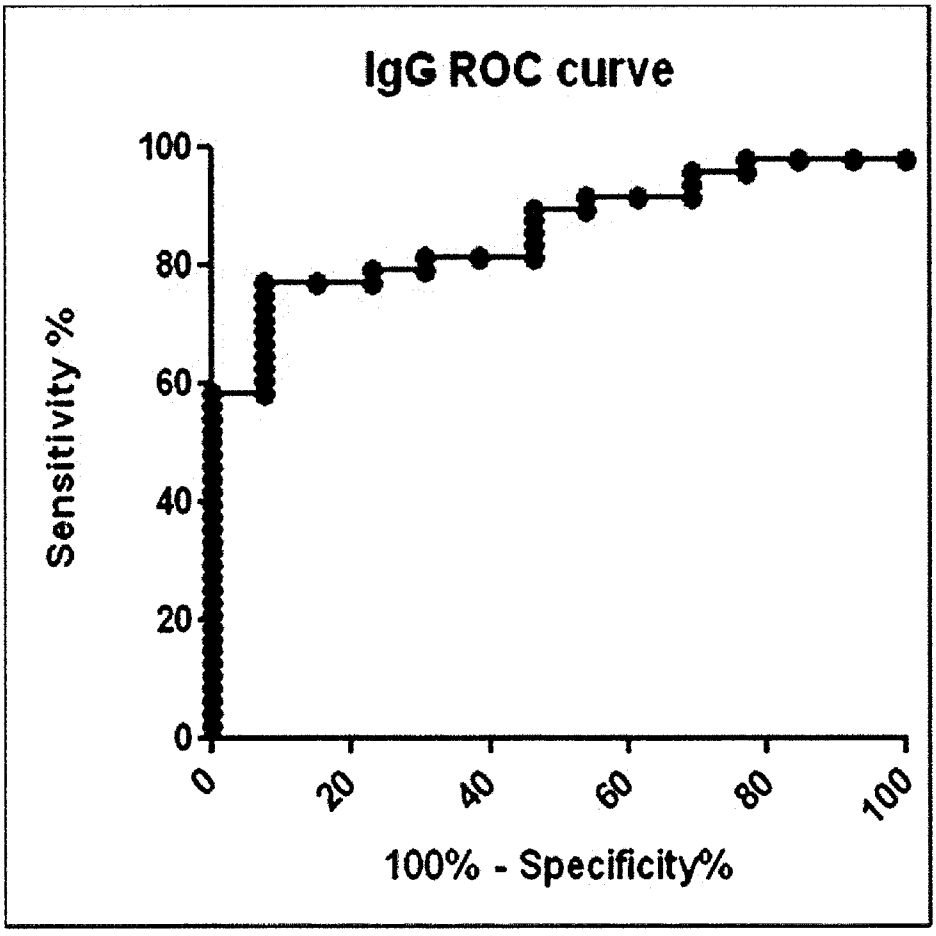

IgG ROC curve
Sensitivity %
100
80
60
40
20
0
0
20
40
60
80
100
100% - Specificity%

Fig.7

Fig.8

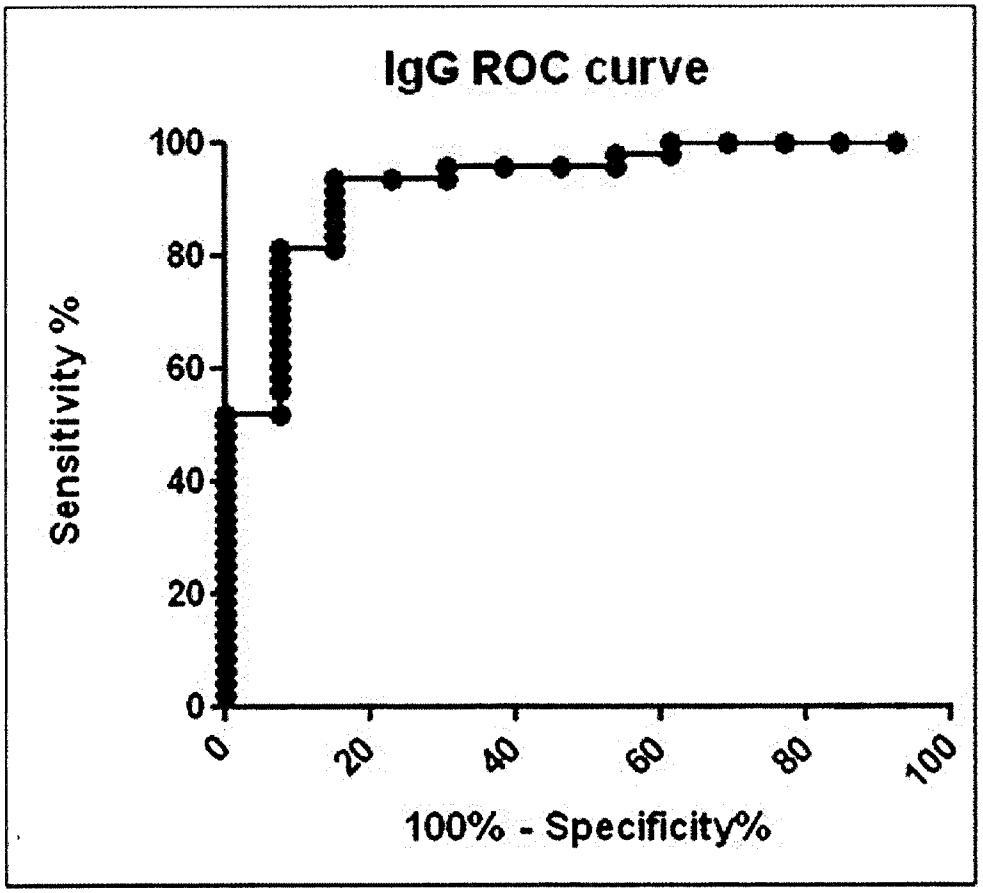

IgG ROC curve
Sensitivity %
100
80
60
40
20
0
0
20
40
60
80
100
100% - Specificity%

Fig.9A

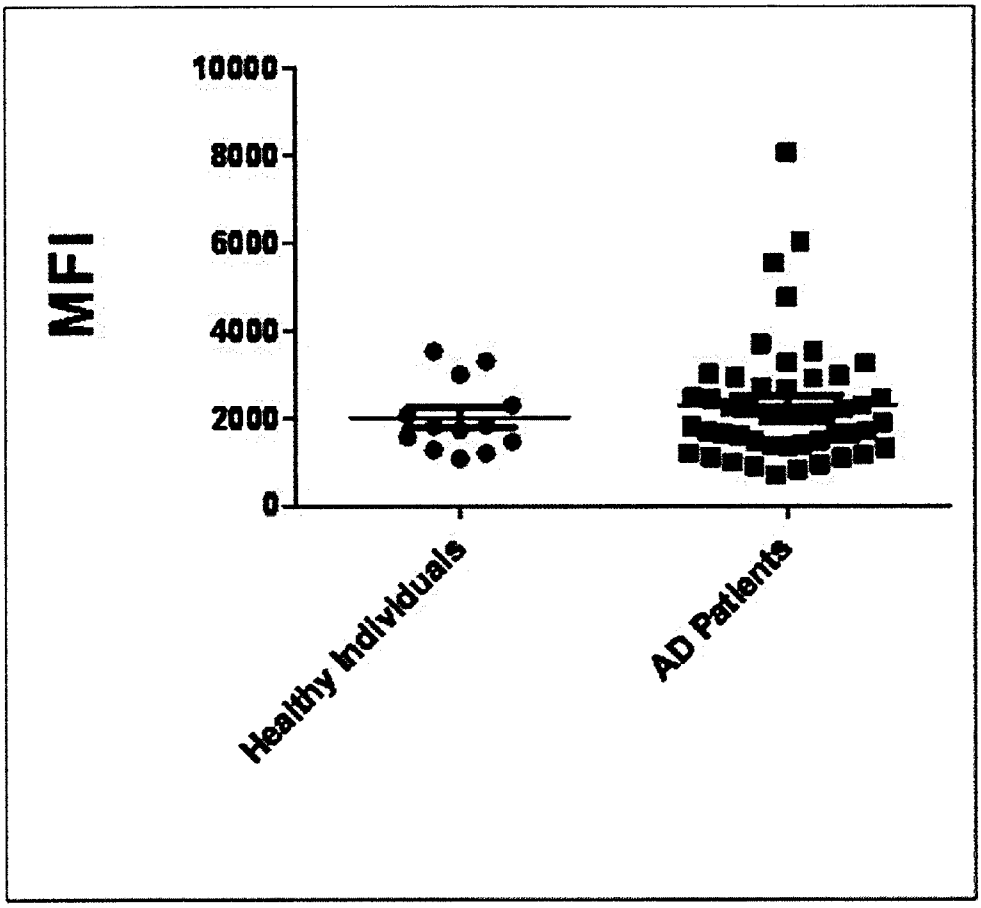

MFI
10000
8000
6000
4000
2000
0
Healthy Individuals
AD Patients

Fig.9B

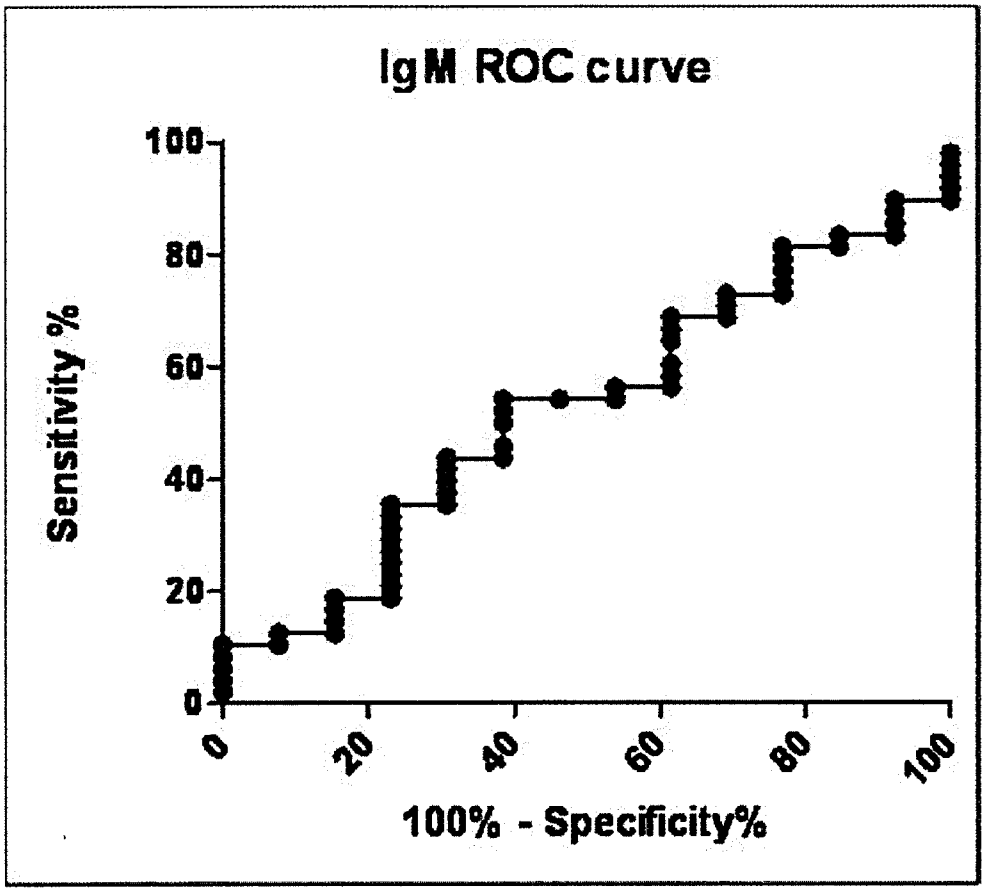
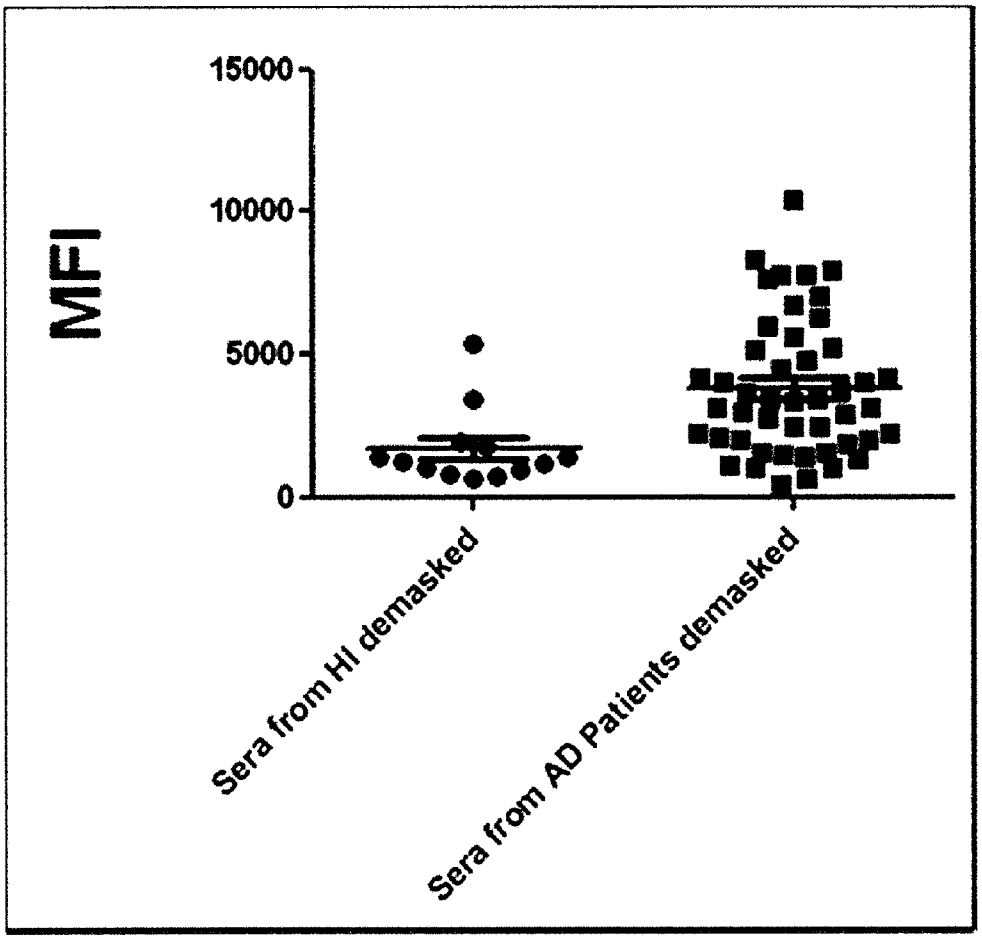

IgM ROC curve
Sensitivity %
100
80
60
40
20
0
0
20
40
60
80
100
100% - Specificity%

Fig.10


MFI
15000
10000
5000
0
Sera from HI demasked
Sera from AD Patients demasked

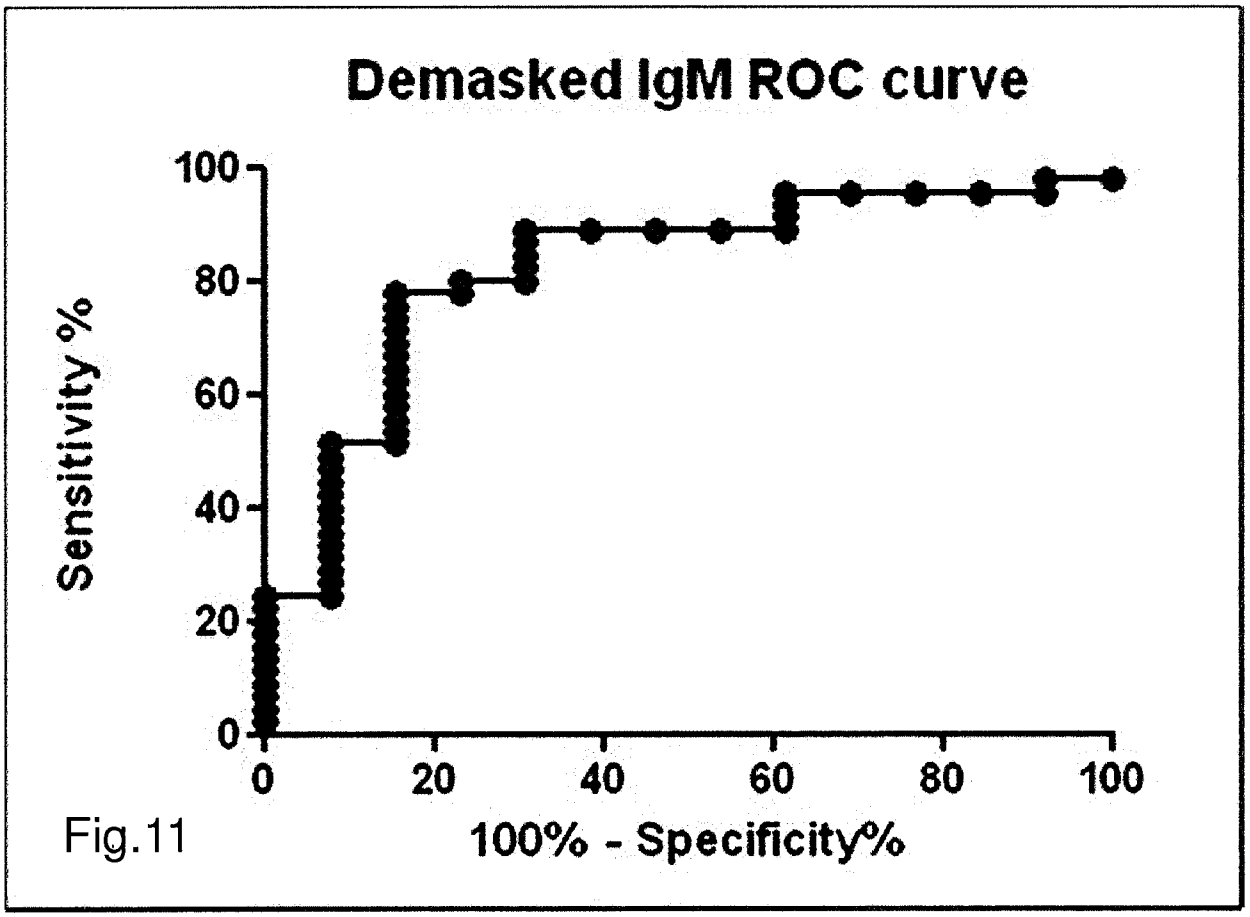

Demasked IgM ROC curve
Sensitivity %
100
80
60
40
20
0
0
20
40
60
80
100
100% - Specificity%

Fig.11

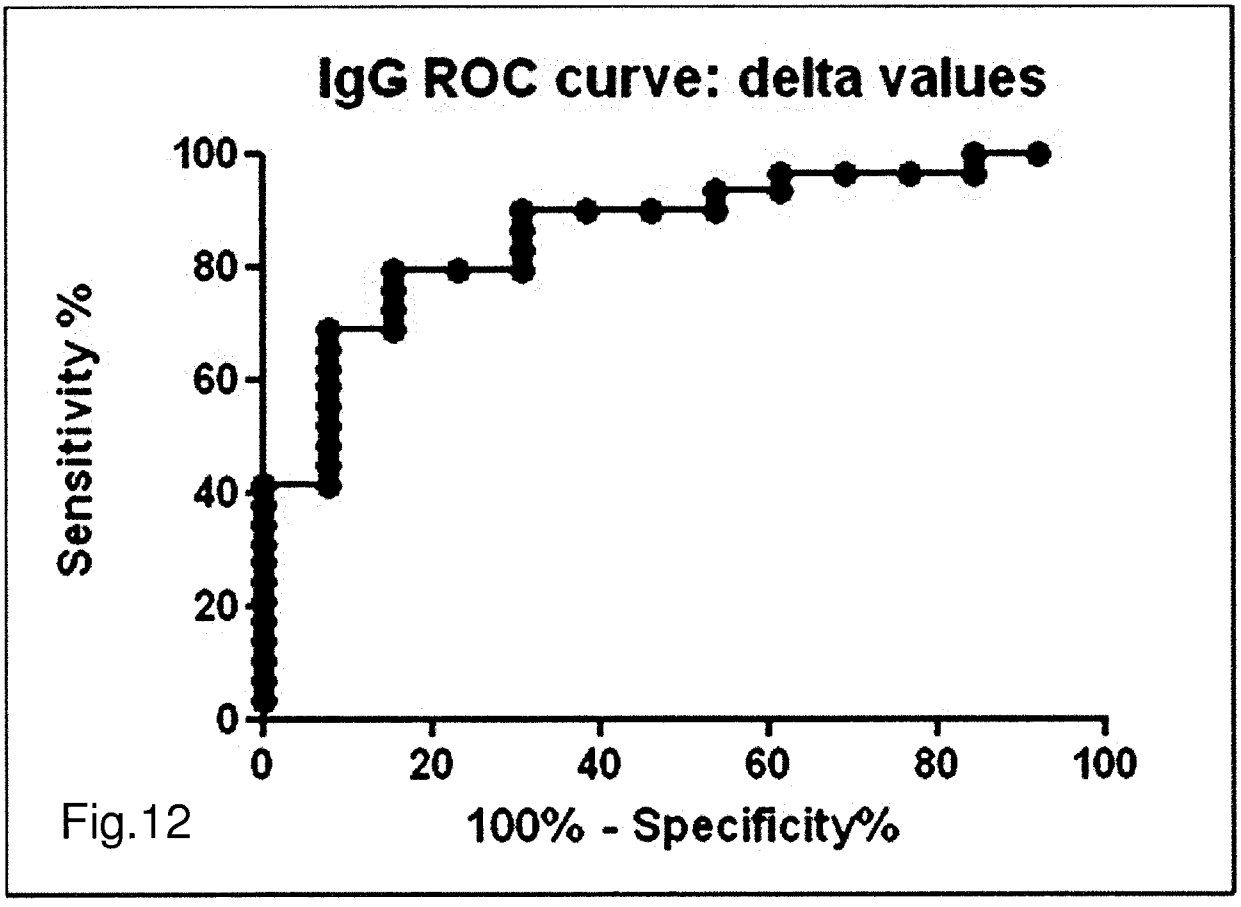
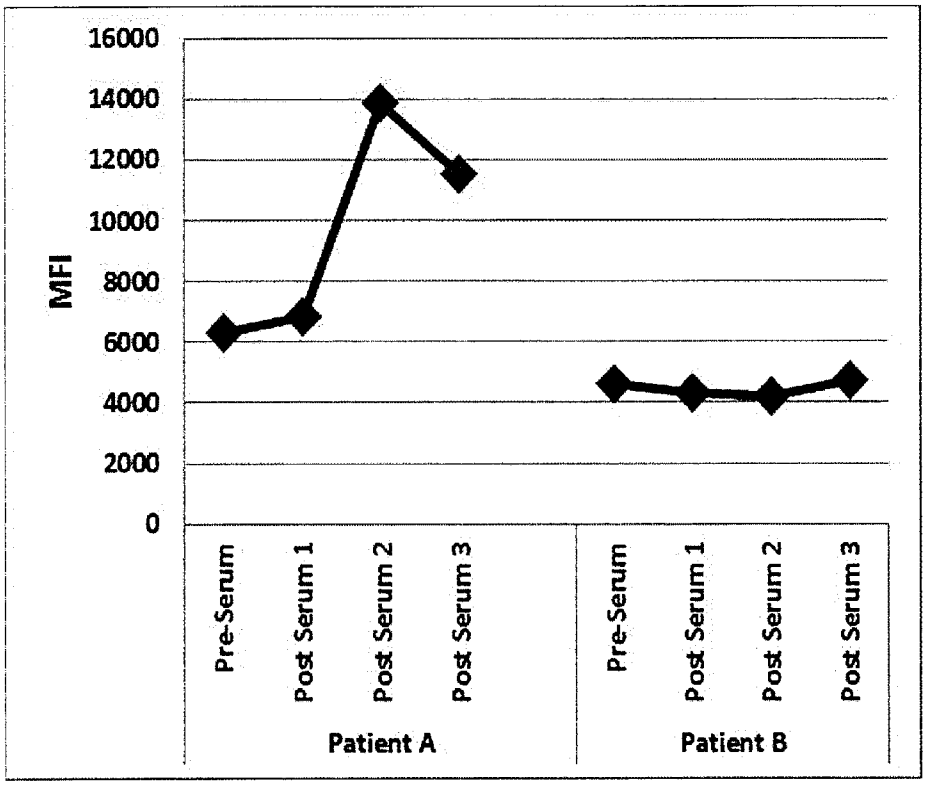

IgG ROC curve: delta values
Sensitivity %
100
80
60
40
20
0
0
20
40
60
80
100
100% - Specificity%

Fig.12

Fig.13


16000
14000
12000
10000
8000
6000
4000
2000
0
MFI
Pre-Serum
Post Serum 1
Post Serum 2
Post Serum 3
Patient A
Pre-Serum
Post Serum 1
Post Serum 2
Post Serum 3
Patient B

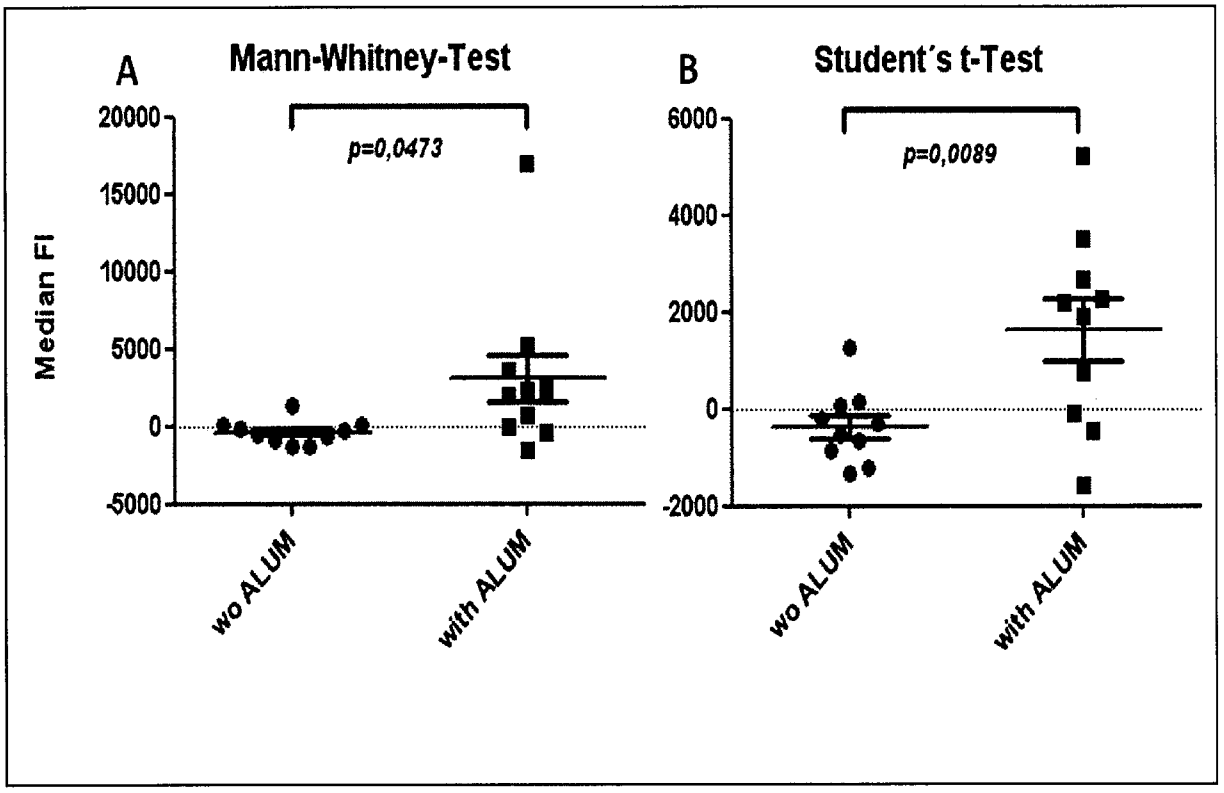

A
Mann-Whitney-Test
p=0,0473
Median FI
20000
15000
10000
5000
0
-5000
wo ALUM
with ALUM
B
Student´s t-Test
p=0,0089
6000
4000
2000
0
-2000
wo ALUM
with ALUM

Fig.14