Fig. 1

```
ESBA212      ADIVLTQSPSSLSASVGDRVTLTCRASSSV-NYMHWYQQRPGKPPKALIYATSNLASGVP 59
Framework    AEIVLTQSPSSLSASVGDRVTLTCRASQGIRNELAWYQQRPGKAPKRLIYAGSILQSGVP 60
             *:************************..: * : ********.** **** * * ****

ESBA212      SRFSGSGSGTEFTLTISSLQPEDVAVYYCQQWRTNPPTFGQGTKLEVKR 108
Framework    S-FSGSGSGTEFTLTISSLQPEDVAVYYCQQYYSLPYMFGQGTKVDIKR 108
             * ****************************: : *  ******:::**


22C4         -DIVLTQSPAILSASPGEKVTLTCRASSSVNYMHWYQQKPGSPPKAWIYATSNLASGVPD 59
ESBA212      ADIVLTQSPSSLSASVGDRVTLTCRASSSVNYMHWYQQRPGKPPKALIYATSNLASGVPS 60
              ********: **** *::**********************:**.**** ************.

22C4         RFSASGSGTSYSLTISRVEAEDAATYYCQQWRTNPPTFGAGTKLELKR 107
ESBA212      RFSGSGSGTEFTLTISSLQPEDVAVYYCQQWRTNPPTFGQGTKLEVKR 108
             ***.*****.::**** ::.**.*.************** *****:**


22C4         -DIVLTQSPAILSASPGEKVTLTCRASSSV-NYMHWYQQKPGSPPKAWIYATSNLASGVP 58
ESBA212      ADIVLTQSPSSLSASVGDRVTLTCRASSSV-NYMHWYQQRPGKPPKALIYATSNLASGVP 59
Framework    AEIVLTQSPSSLSASVGDRVTLTCRASQGIRNELAWYQQRPGKAPKRLIYAGSILQSGVP 60
              :*******: **** *::********..: * : ****:**..**  *** * * ****

22C4         DRFSASGSGTSYSLTISRVEAEDAATYYCQQWRTNPPTFGAGTKLELKR 107
ESBA212      SRFSGSGSGTEFTLTISSLQPEDVAVYYCQQWRTNPPTFGQGTKLEVKR 108
Framework    S-FSGSGSGTEFTLTISSLQPEDVAVYYCQQYYSLPYMFGQGTKVDIKR 108
             . **.*****.::**** ::.**.*.*****: : *  ** ***:::**
```

Fig. 2

```
ESBA212      QVQLVQSGPEVKKPGASVKVSCTASGYTFTEYTMHWVRQAPGQGLEWMGGVNPYNDNTSY 60
Framework    QVQLVQSGAEVKKPGASVKVSCTASGYSFTGYFLHWVRQAPGQGLEWMGRINPDSGDT-Y 59
             ********.******************:** * :*************** :** ..:* *

ESBA212      IRKLQGRVTLTVDRSSSTAYMELTSLTSDDTAVYYCARYGG---LRPYYFPMDFWGQGTL 117
Framework    AQKFQDRVTLTRDTSIGTVYMELTSLTSDDTAVYYCARVPRGTYLDPWDY-FDYWGQGTL 118
              :*:*.***** * * .*.******************      * *: : :*:******

ESBA212      VTVSS 122
Framework    VTVSS 123
             *****
```


Fig. 3

```
22C4         QVQLQQSGPELVKPGASVKISCKTSGYTFTEYTMHWVKQSHGKSLEWIGGVNPYNDNTSY 60
ESBA212      QVQLVQSGPEVKKPGASVKVSCTASGYTFTEYTMHWVRQAPGQGLEWMGGVNPYNDNTSY 60
             **** *****: *******:**.:**************:*: *:.***:************

22C4         IRKLQGKVTLTVDRSSSTAYMELRSLTSEDSAVYFCARYGGLRPYYFPMDFWGQGTSVTV 120
ESBA212      IRKLQGRVTLTVDRSSSTAYMELTSLTSDDTAVYYCARYGGLRPYYFPMDFWGQGTLVTV 120
             ******:**************** ****:*:***:********************** ***

22C4         SS 122
ESBA212      SS 122
             **
```

Fig. 4

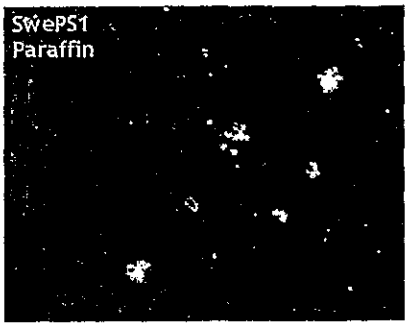
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22C4          QVQLQQSGPELVKPGASVKISCKTSGYTFTEYTMHWVKQSHGKSLEWIGGVNPYNDNTSY 60
ESBA212       QVQLVQSGPEVKKPGASVKVSCTASGYTFTEYTMHWVRQAPGQGLEWMGGVNPYNDNTSY 60
Framework     QVQLVQSGAEVKKPGASVKVSCTASGYSFTGYFLHWVRQAPGQGLEWMGRINPDSGDT-Y 59
              **** ***.*: *******:**.:***:** * :***:*: *:.***:* :** ..:* *

22C4          IRKLQGKVTLTVDRSSSTAYMELRSLTSEDSAVYFCARYGG---LRPYYFPMDFWGQGTS 117
ESBA212       IRKLQGRVTLTVDRSSSTAYMELTSLTSDDTAVYYCARYGG---LRPYYFPMDFWGQGTL 117
Framework     AQKFQDRVTLTRDTSIGTVYMELTSLTSDDTAVYYCARVPRGTYLDPWDY-FDYWGQGTL 118
               :*:*.:**** * * .*.**** ****:*:***:***      * *: : :*:*****

22C4          VTVSS 122
ESBA212       VTVSS 122
Framework     VTVSS 123
              *****
```

Fig. 5

Fig. 5A



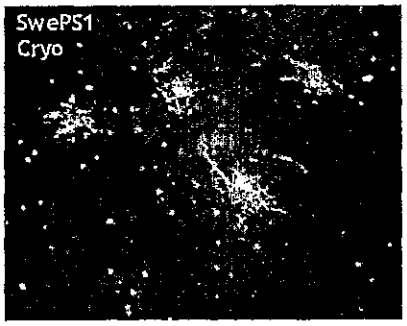
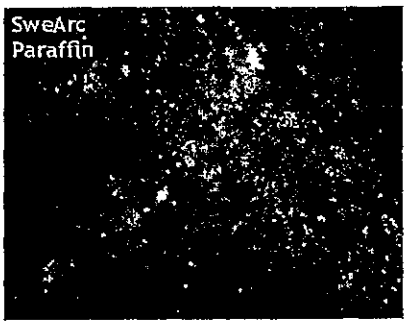


Fig. 5B



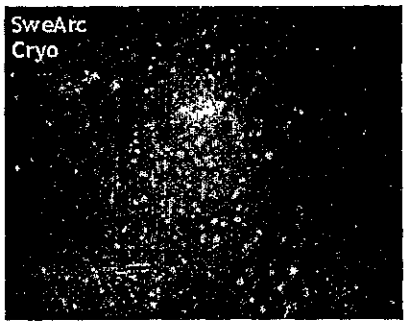
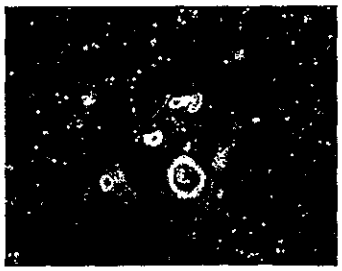


Fig. 5C

Fig. 5D

Fig. 6

Fig. 6A



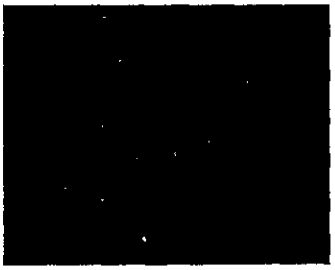


Fig. 6B

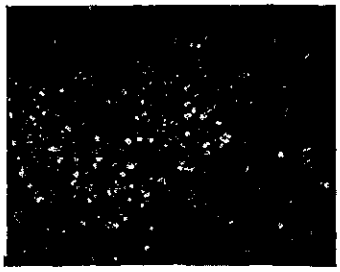




Fig. 6C

Fig. 6D

Fig. 7

Fig .7A

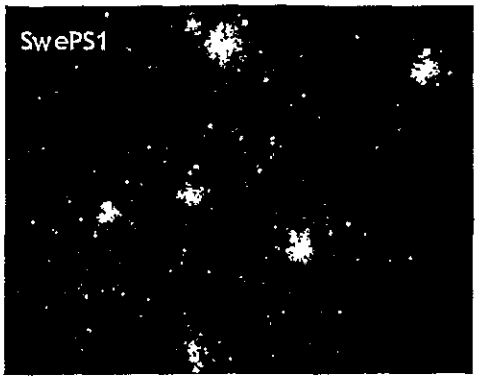


Fig. 7B

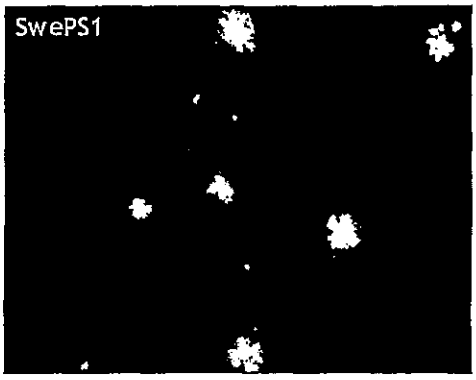
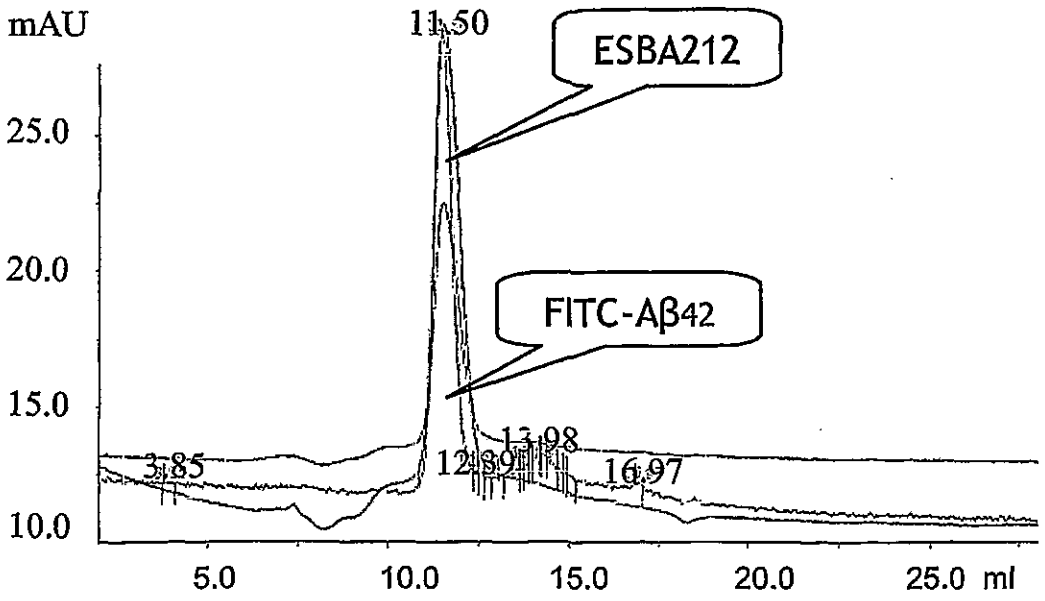
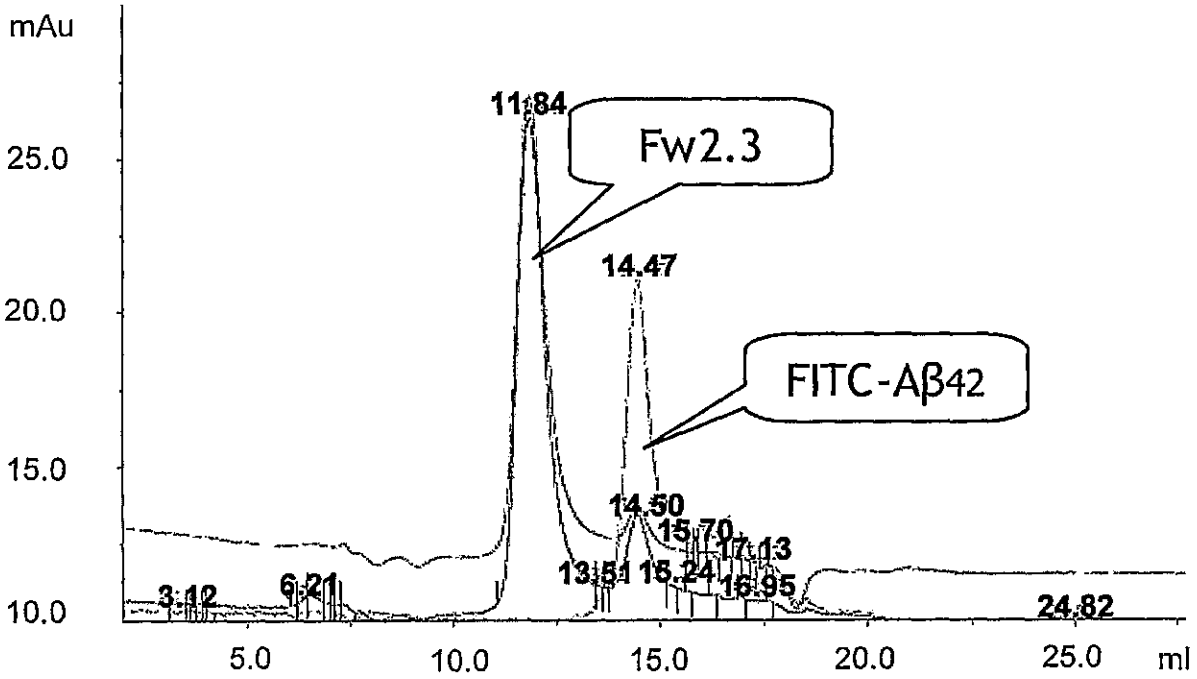


Fig. 8



ESBA212Abeta42 005:10_UV3_495nm@ 03.PEAK

Fig. 8A



FW23Abeta42 006:10_UV2_280nm@02, PEAK

Fig. 8B

Fig. 9



Fig. 9A

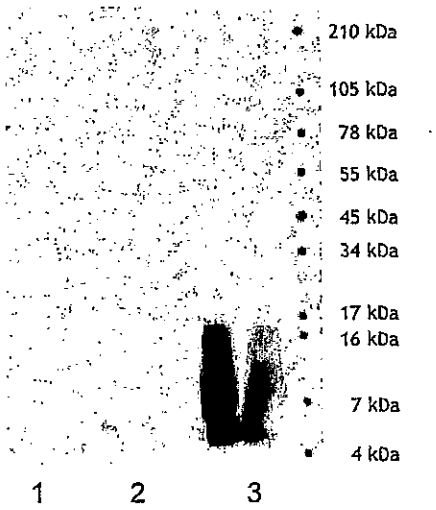


Fig. 9B

Fig. 10

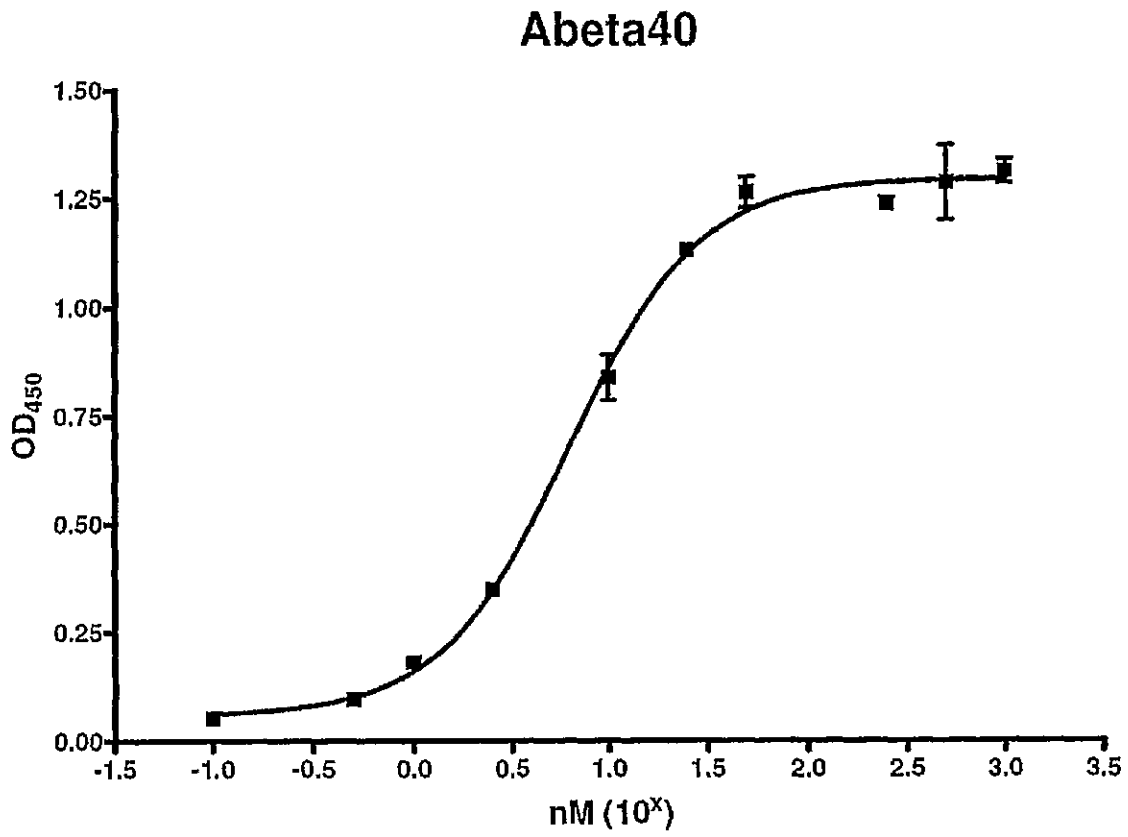


Fig. 10A

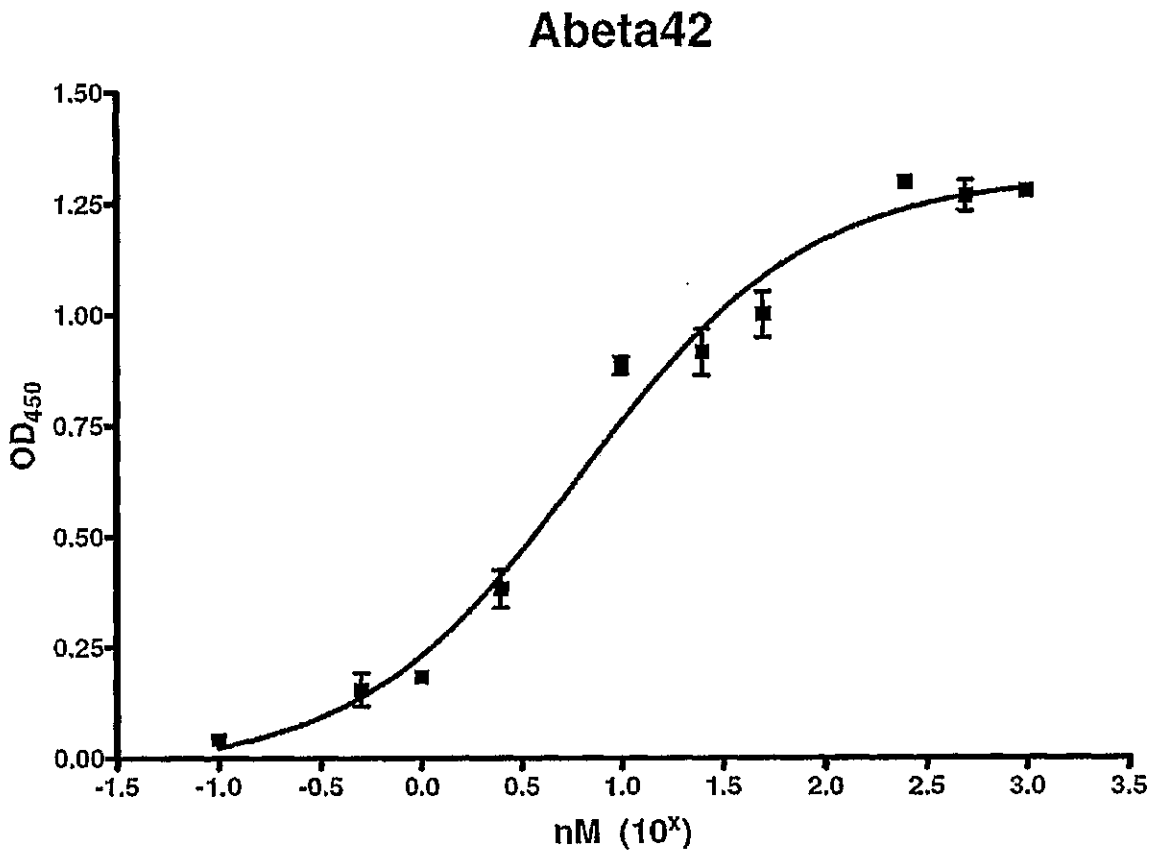

Abeta42
1.50
1.25
1.00
0.75
0.50
0.25
0.00
OD450
-1.5
-1.0
-0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
nM (10X)

Fig. 10B

Fig. 11

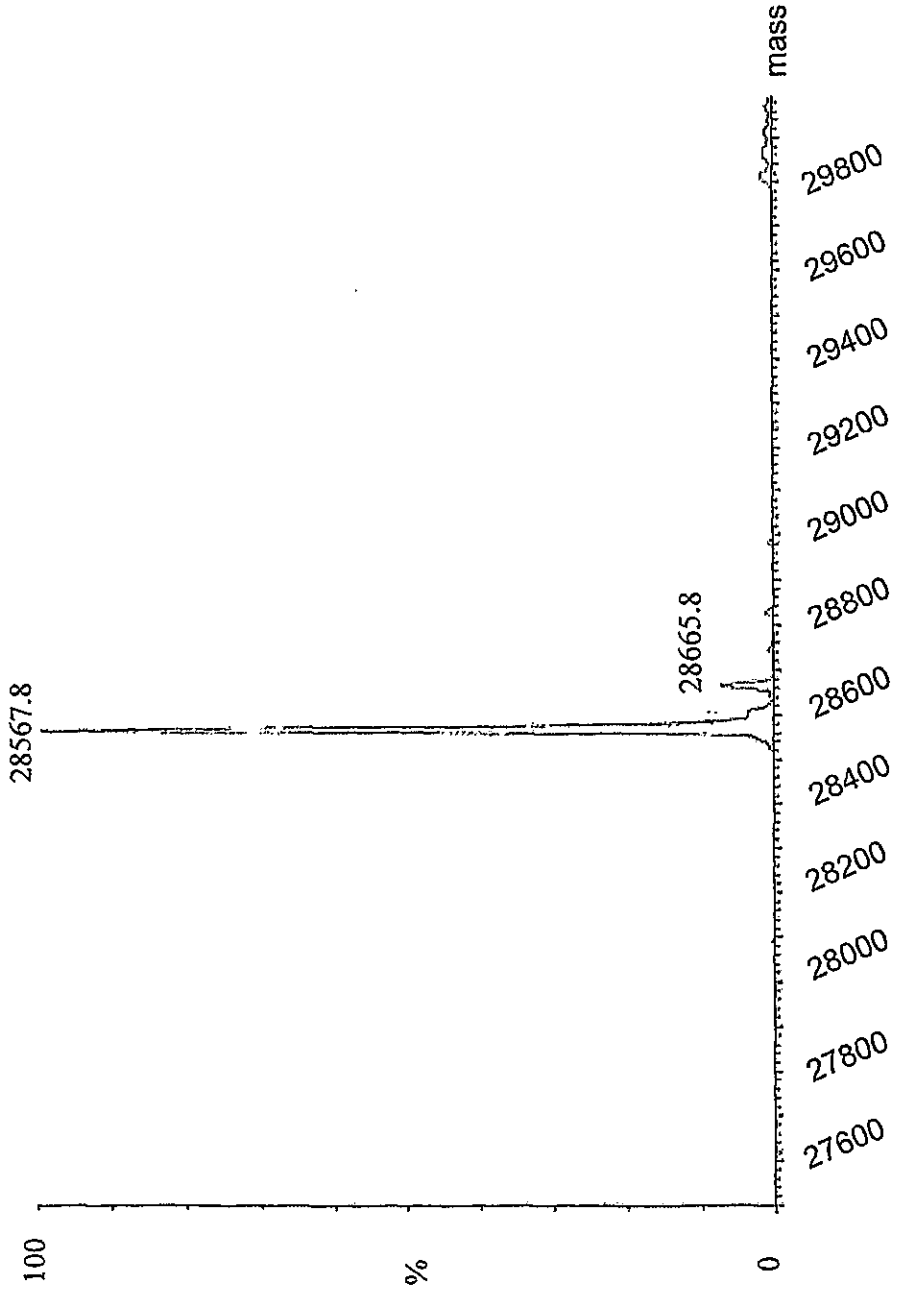

mass
29800
29600
29400
29200
29000
28800
28600
28400
28200
28000
27800
27600
28665.8
28567.8
100
%
0

Fig. 12

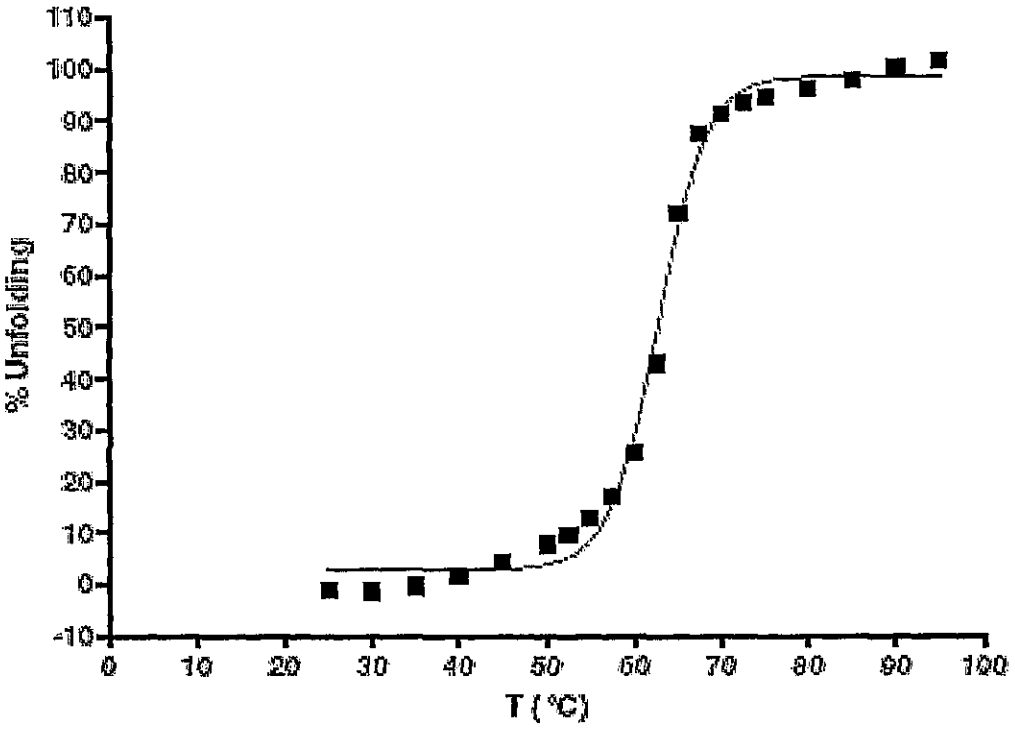

% Unfolding
T (°C)
110
100
90
80
70
60
50
40
30
20
10
0
-10
0
10
20
30
40
50
60
70
80
90
100

Fig. 13


1
2

Fig. 14

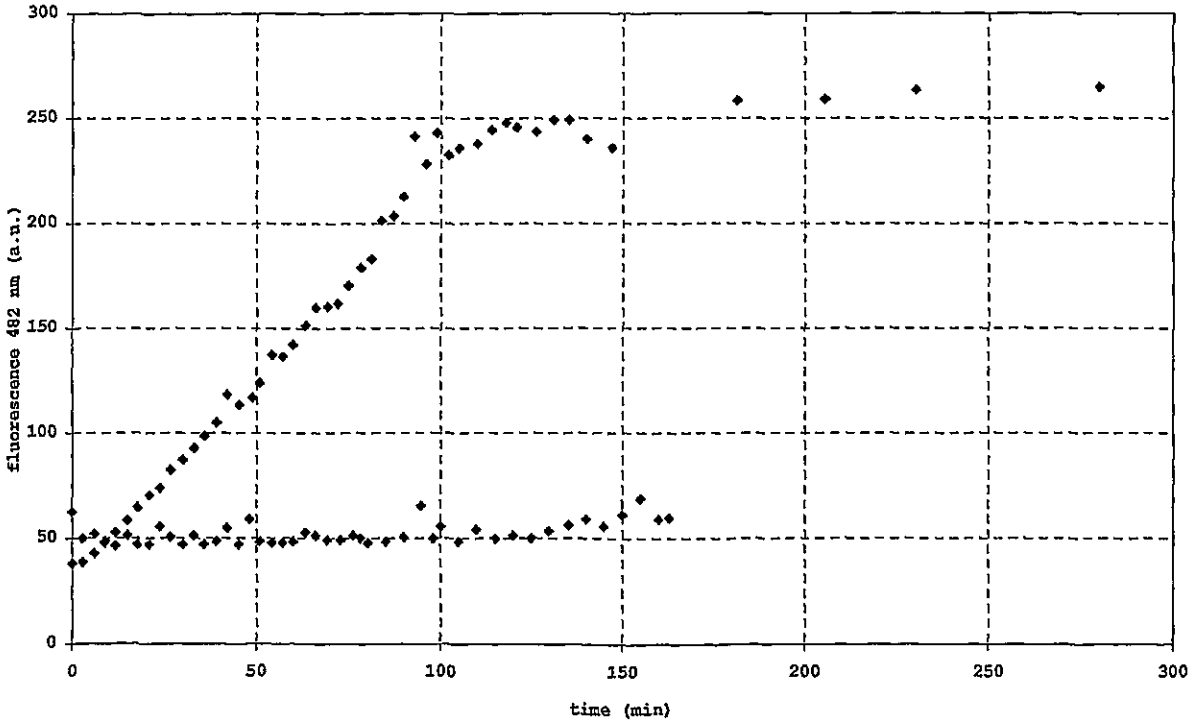

300
250
200
150
100
50
0
fluorescence 492 nm (a.u.)
0
50
100
150
200
250
300
time (min)

Fig. 15

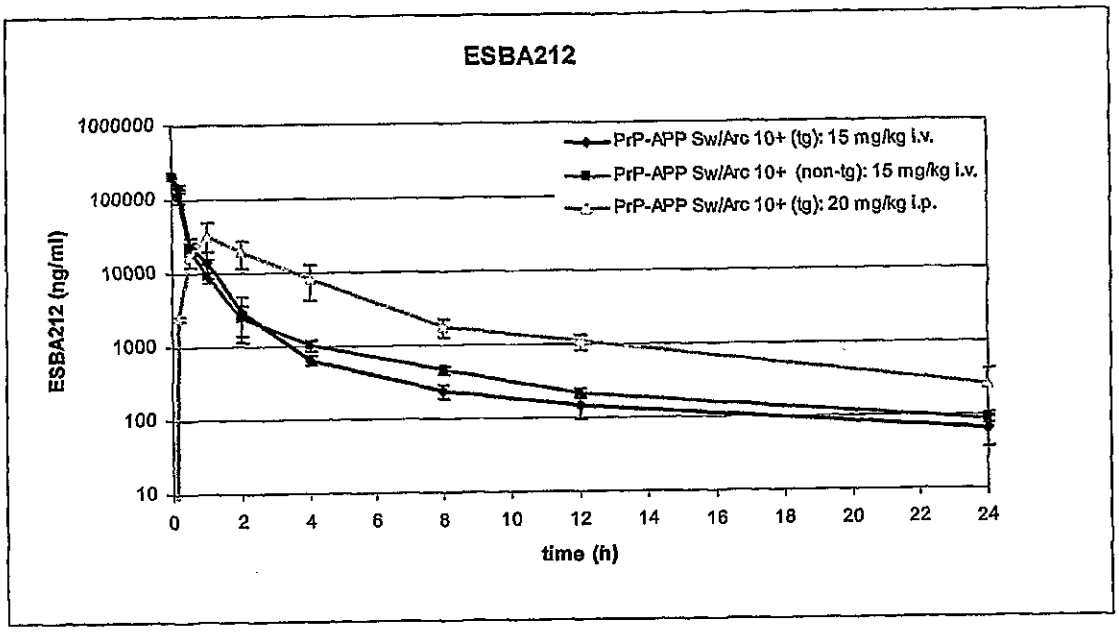


Fig. 16

Fig. 16 A

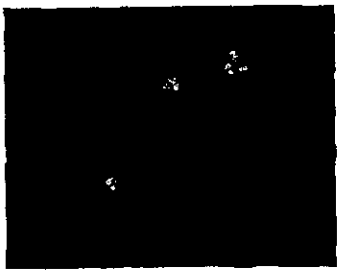


Fig. 16 B



Fig. 17

Fig. 17 A

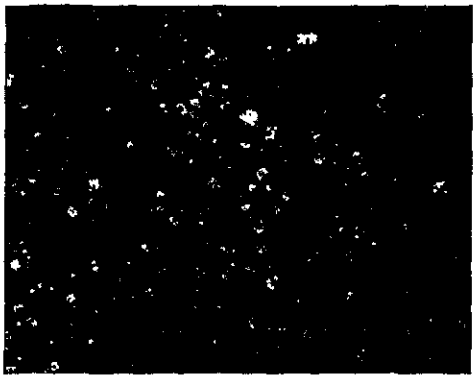


Fig. 17B

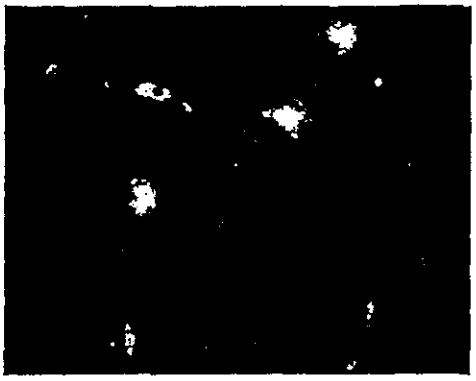


Fig. 18

Fig. 18A

Fig. 18 B

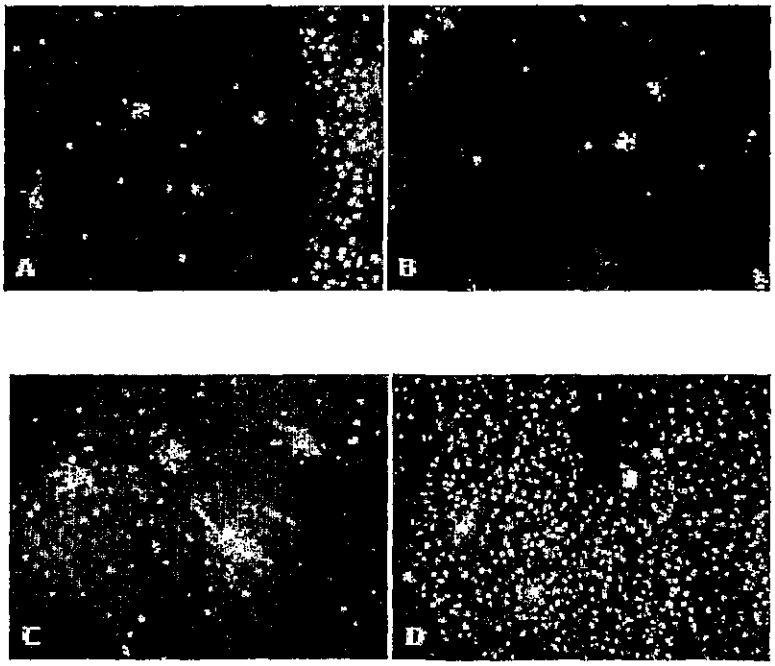


Fig. 18 C

Fig. 18D

Fig. 19

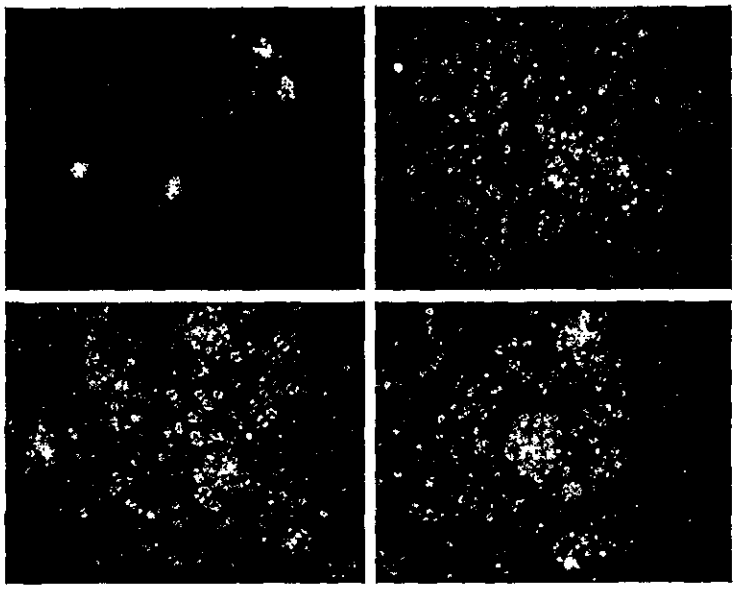
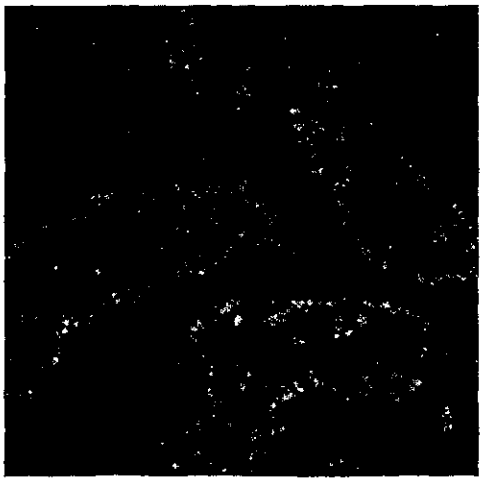


Fig. 20



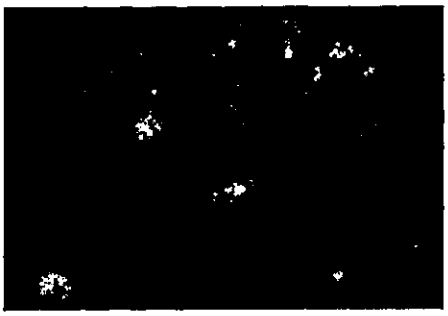


Fig. 21A

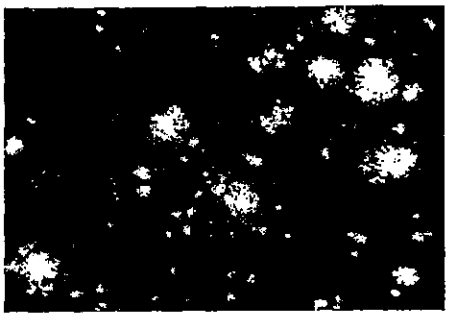


Fig. 21B



Fig. 21C

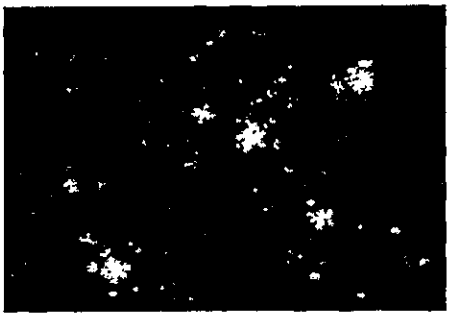


Fig. 21D

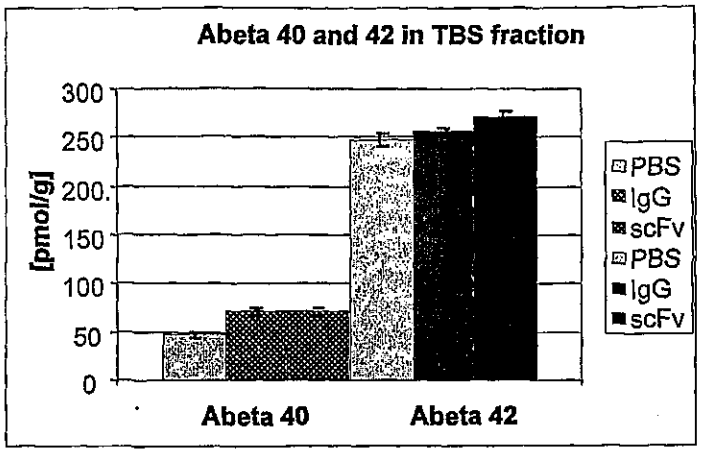


Fig. 22A

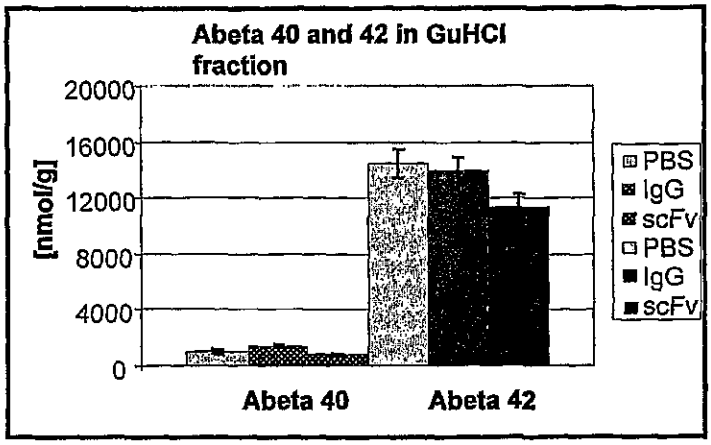


Fig. 22B

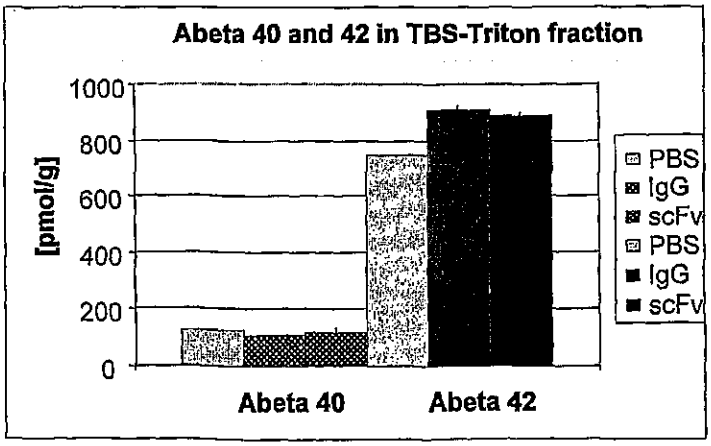


Fig. 22C

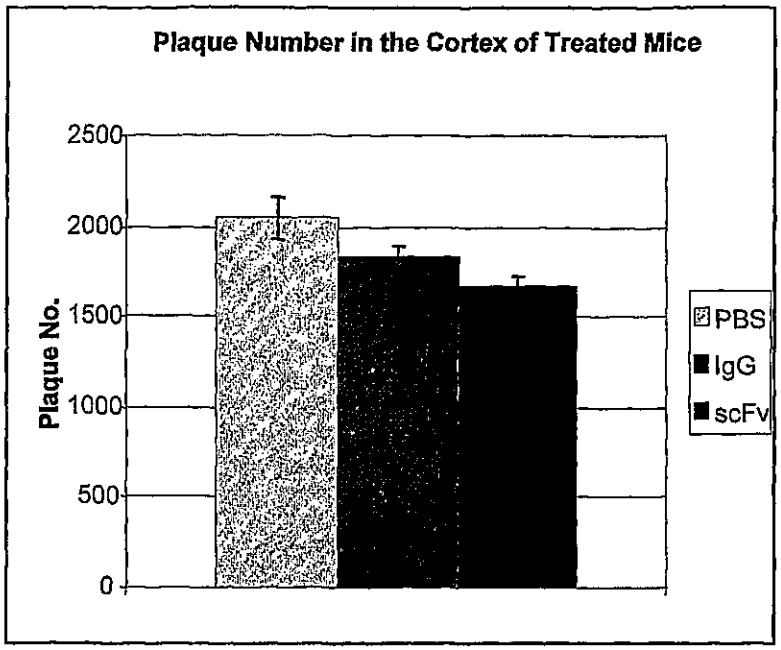


Fig. 23A

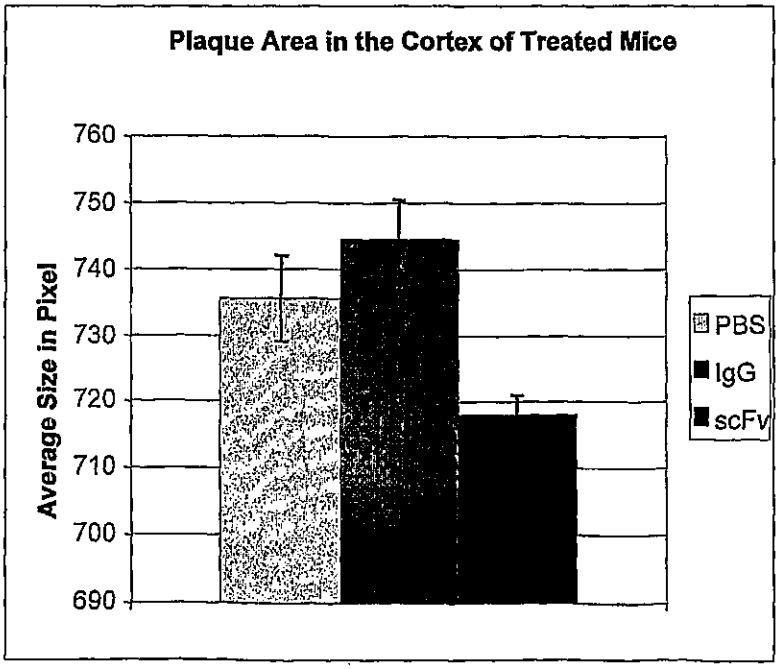


Fig. 23B