Bold=Kabat CDR
Underline=Chothia CDR

9TL Heavy chain

```
                                                                                H1
1         5         10        15        20        25        29
Q V Q L V Q S G A E V K K P G A S V K V S C K A S G Y Y T
                                                                H2
30        35        40        45        50        55   58
E A Y Y I H W V R Q A P G Q G L E W M G R I D P A T G N T

59 60     65        70        75        80        85   87
K Y A P R L Q D R V T M T R D T S T S T V Y M E L S S L R
                                H3
88  90        95        100       105       110       115
S E D T A V Y Y C A S L Y S L P V Y W G Q G T T V T V S S
```

FIG. 1

9TL Light chain

```
                                                                L1
1         5         10        15        20        25        29
D V V M T Q S P L S L P V T L G Q P A S I S C K S S Q S L
                                                        L2
30        35        40        45        50        55   58
L Y S D A K T Y L N W F Q Q R P G Q S P R R L I Y Q I S R

59 60     65        70        75        80        85   87
L D P G V P D R F S G S G S G T D F T L K I S R V E A E D
                          L3
88  90        95        100       105       110       115
V G V Y Y C L Q G T H Y P V L F G Q G T R L E I K R T
```

FIG. 2

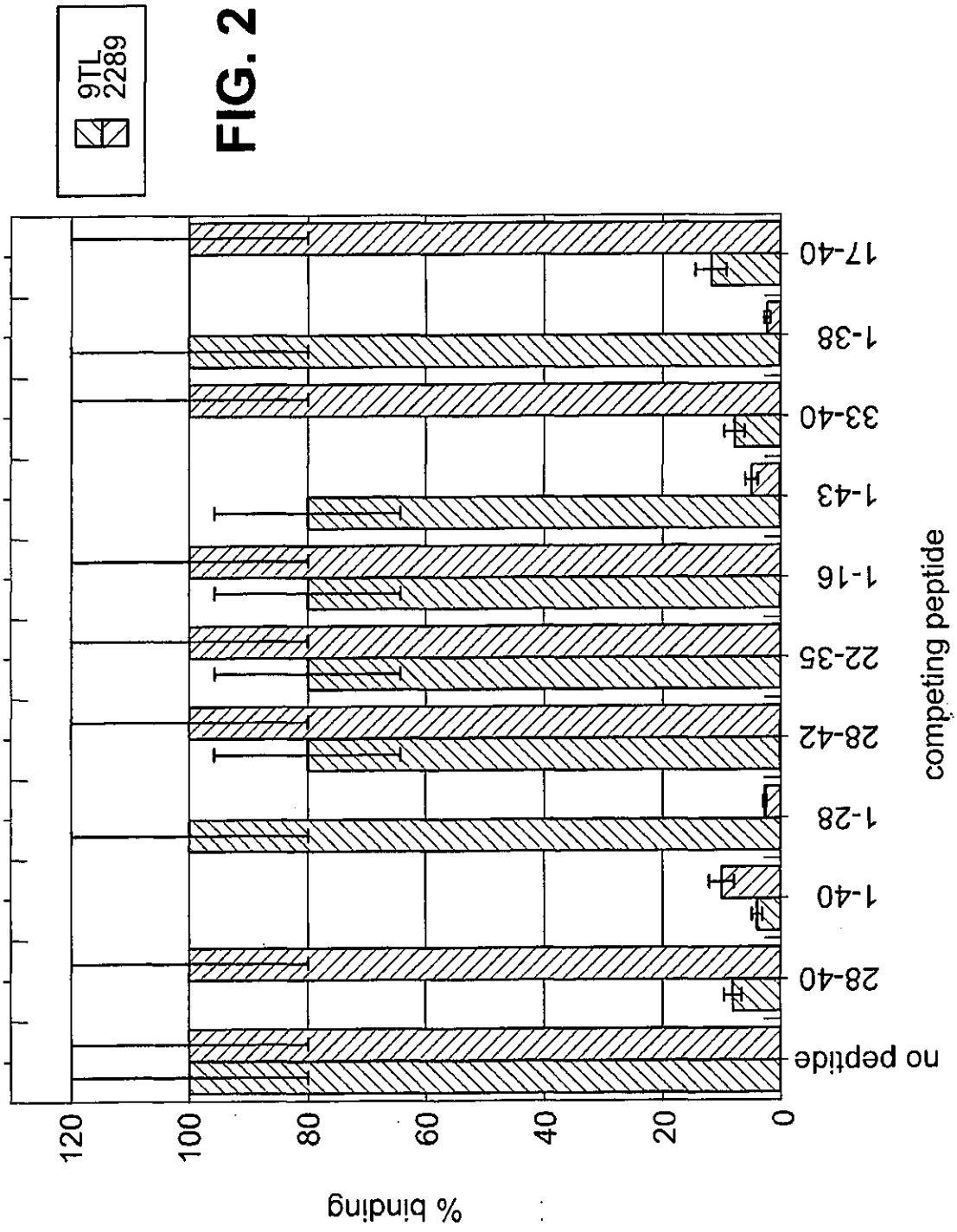

9TL 2289
% binding
120
100
80
60
40
20
0
competing peptide
no peptide
28-40
1-40
1-28
28-42
22-35
1-16
1-43
33-40
1-38
17-40

FIG. 3

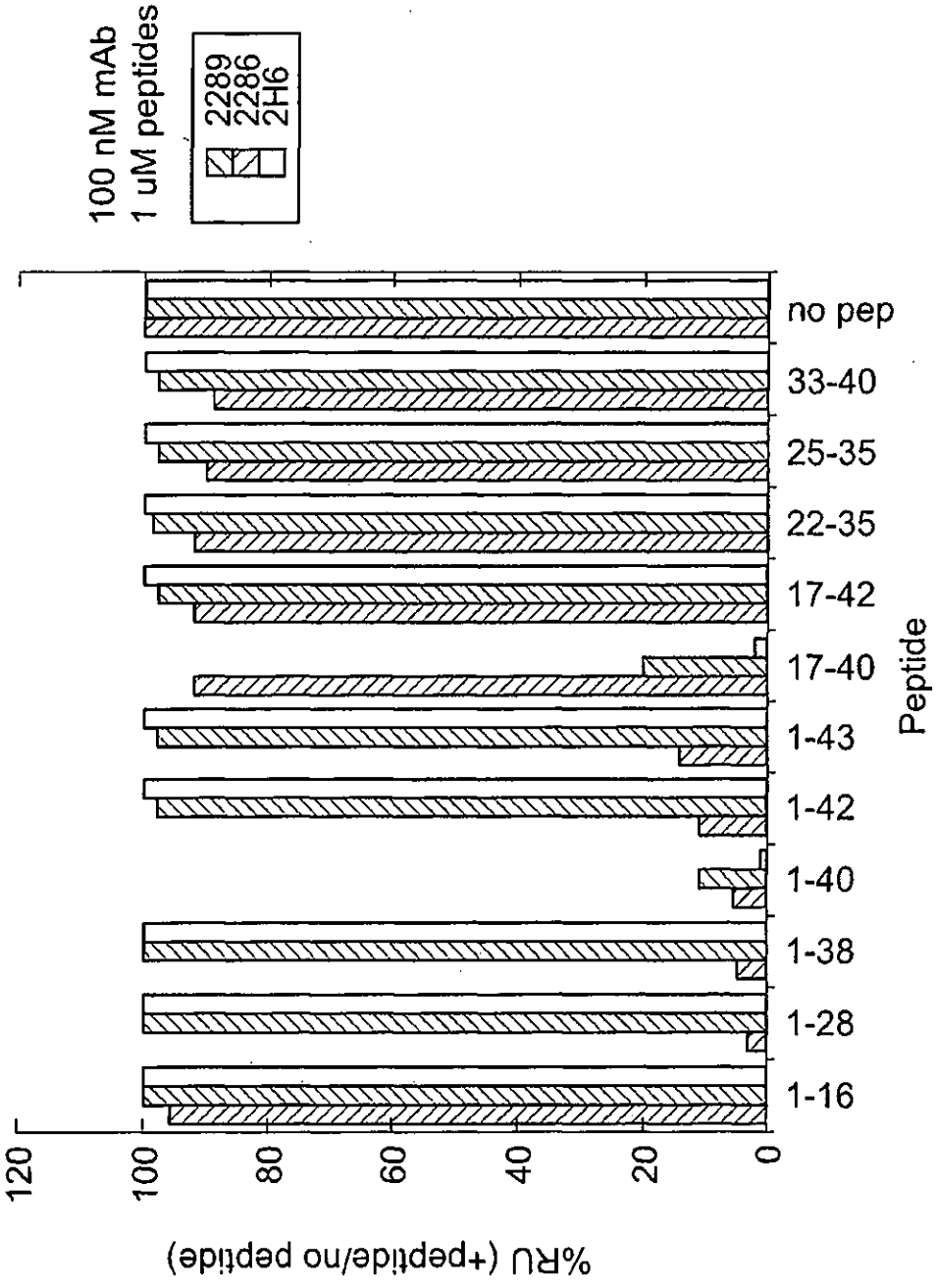

100 nM mAb
1 uM peptides
2289
2286
2H6
no pep
33-40
25-35
22-35
17-42
17-40
1-43
1-42
1-40
1-38
1-28
1-16
Peptide
120
100
80
60
40
20
0
%RU (+peptide/no peptide)

FIG. 4

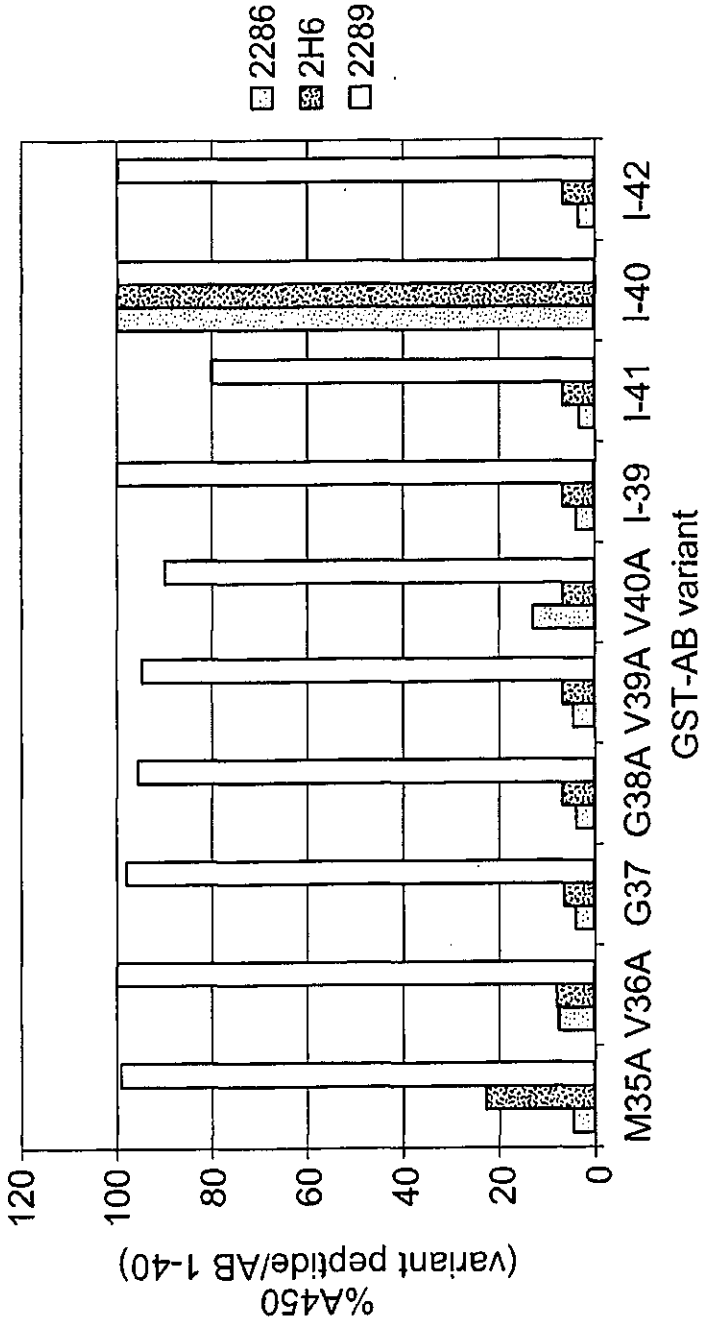

2286
2H6
2289
120
100
80
60
40
20
0
%A450
(variant peptide/AB 1-40)
M35A V36A G37 G38A V39A V40A I-39 I-41 I-40 I-42
GST-AB variant

FIG. 5

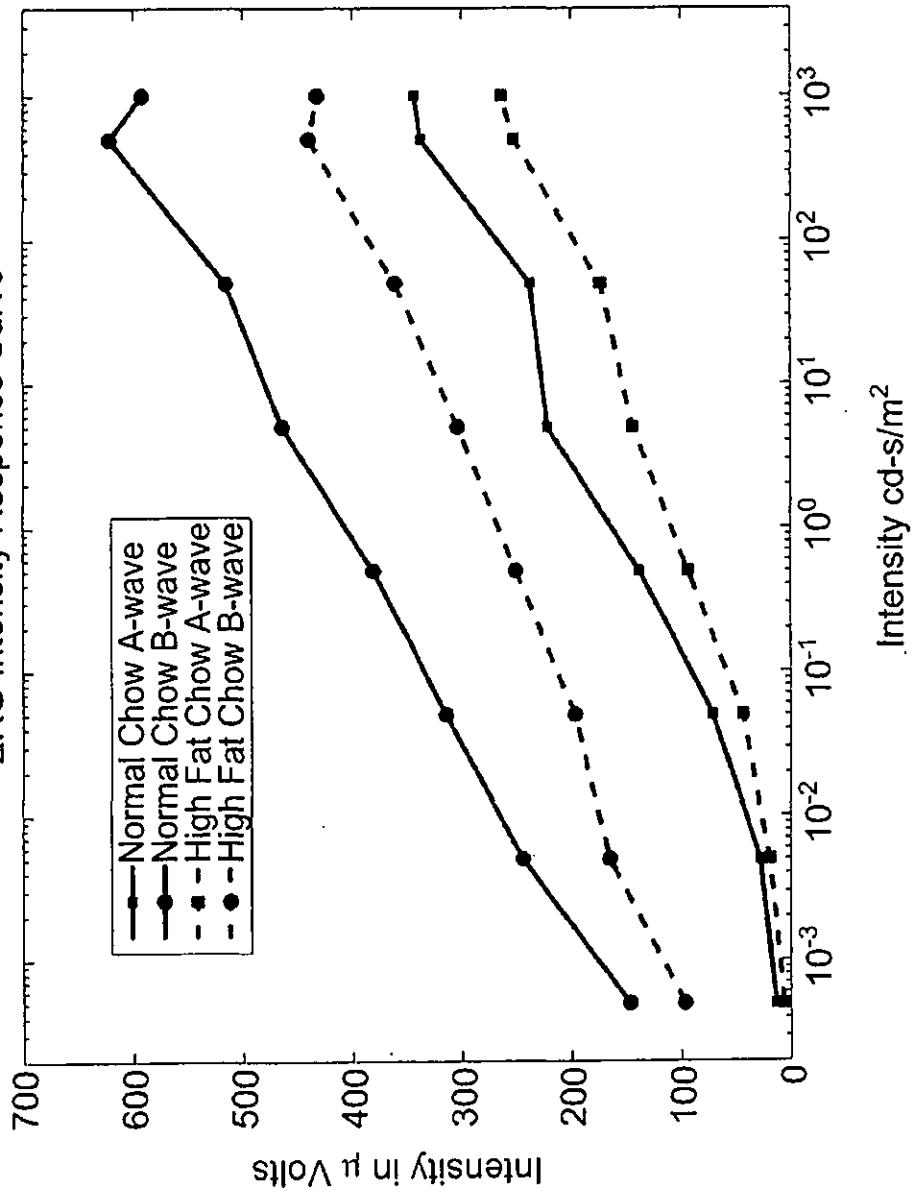

ERG Intensity Responce Curve
Normal Chow A-wave
Normal Chow B-wave
High Fat Chow A-wave
High Fat Chow B-wave
Intensity in μ Volts
0
100
200
300
400
500
600
700
10^{-3}
10^{-2}
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
Intensity cd-s/m^2

FIG. 6

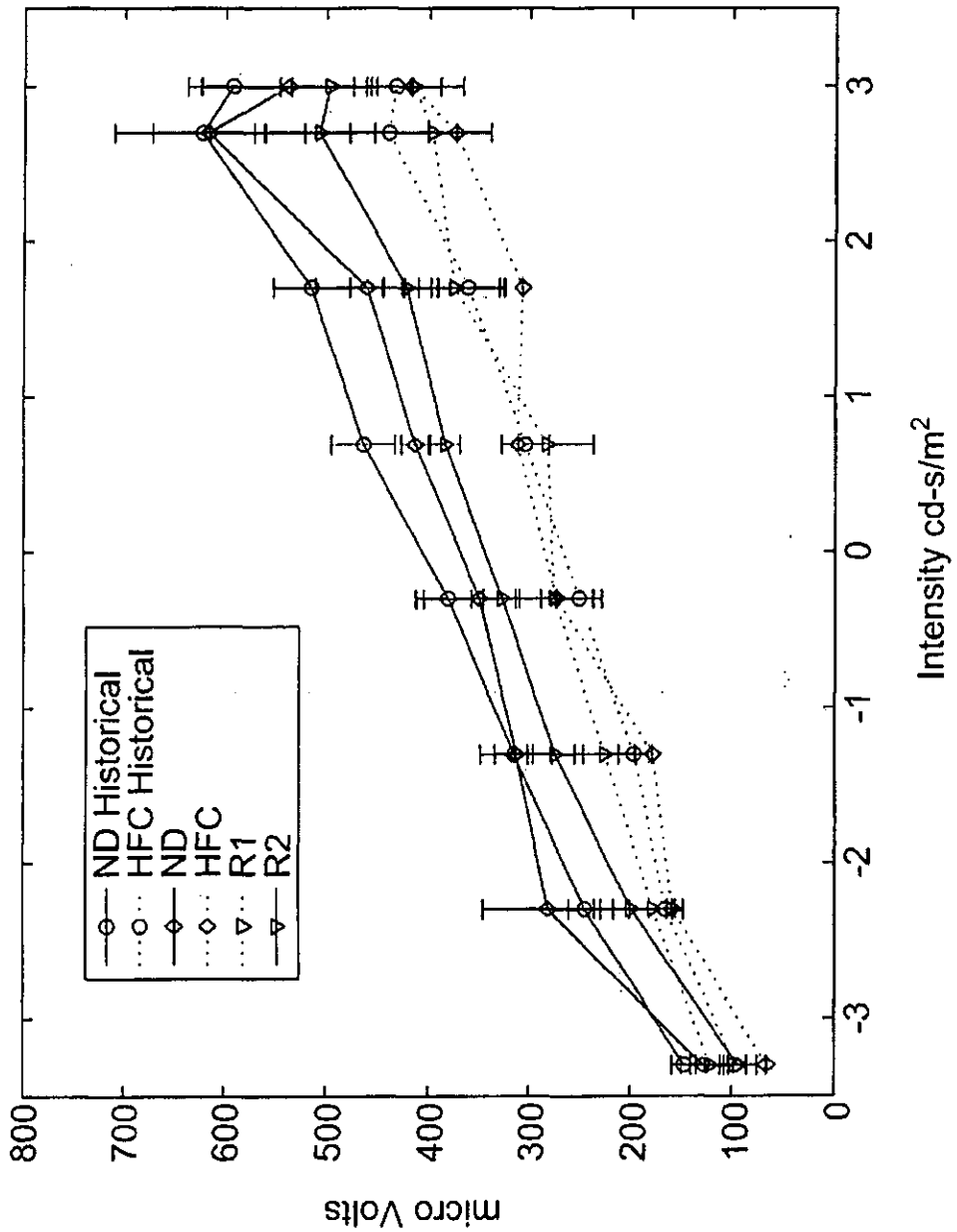

B-wave
micro Volts
Intensity cd-s/m2
ND Historical
HFC Historical
ND
HFC
R1
R2
800
700
600
500
400
300
200
100
0
3
2
1
0
-1
-2
-3

FIG. 7

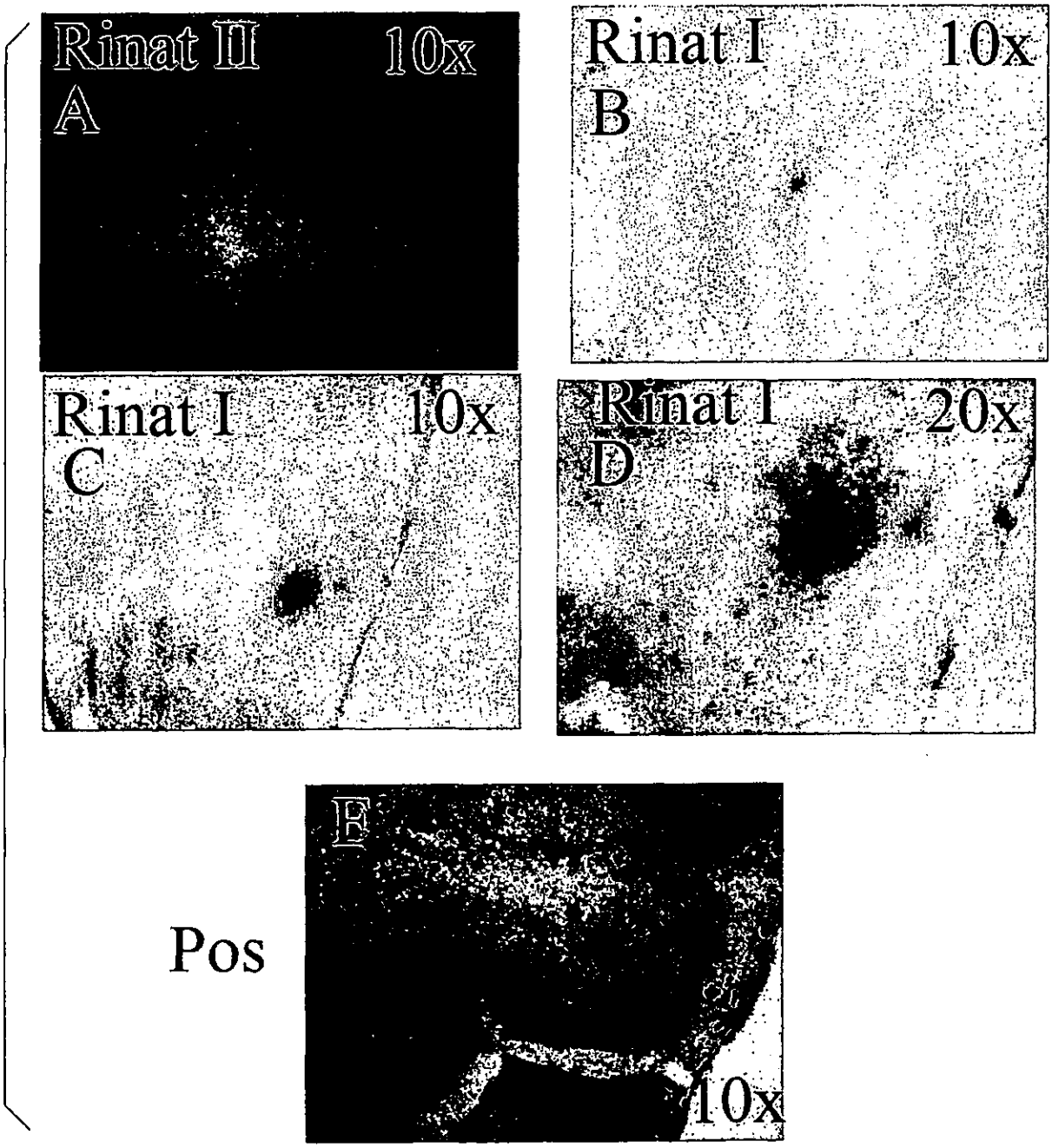


FIG. 8

BOLD=Kabat CDR
Underline=Chothia CDR

6G Heavy Chain variable domain

```
                                                    H1
1   5     10    15    20    25    30    35
qvqlvqsgaevkkpgasvkvsckasgytftTYAIHwvrq

                                H2
40  45    50    55    60    65    70    75
apgqglewmgFTSPYSGVSNYNQKFKGrvtmtrdtstst

                                                H3
80  85    90    95    100   105   110   115
vymelsslrSedtavyycarFDNYDRGYVRDYwgqgtlV

120
tvs
```

6G Light Chain variable domain

```
                                                L1
1   5     10    15    20    25    30    35
DIVMTQSPDSLAVSLGERATINCRASESVDNDRISFLNW

                                L2
40  45    50    55    60    65    70    75
YQQKPGQPPKLLIYAATKQGTGVPDRFSGSGSGTDFTLT

                                L3
80  85    90    95    100   105   110   114
ISSLQAEDVAVYYCQQSKEFPWSfgggtkveikrtv
```

FIG. 9

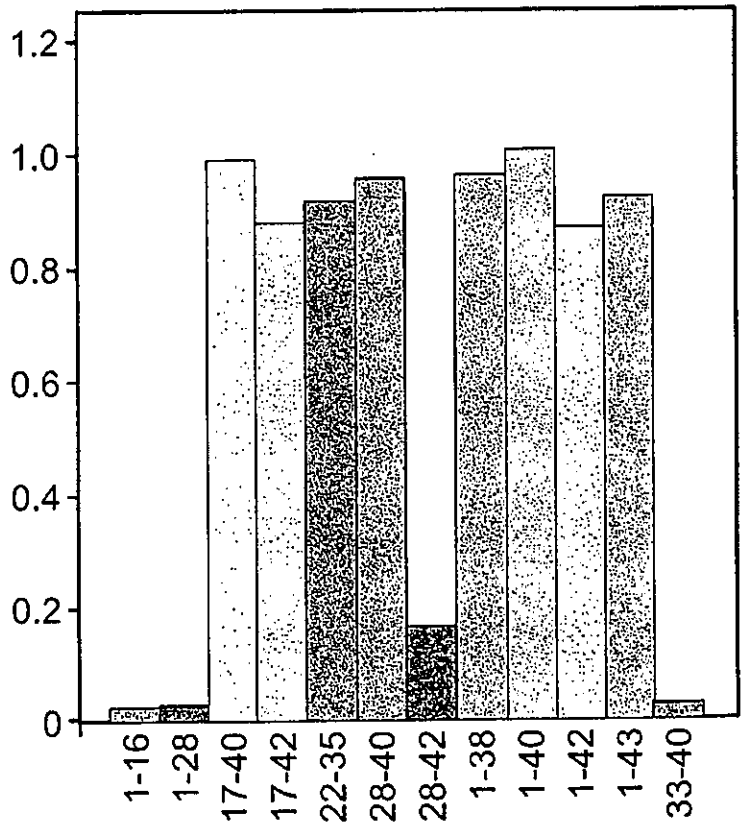

1.2
1.0
0.8
0.6
0.4
0.2
0
1-16
1-28
17-40
17-42
22-35
28-40
28-42
1-38
1-40
1-42
1-43
33-40

FIG. 10

Epitope mapping of antibody 6G by ELISA peptide scanning

15-mer Peptides	A450 ELISA
FFAEDVGSNKGAIIGG	NB
FAEDVGSNKGAIIGLG	>3
AEDVGSNKGAIIGLMG	>3
EDVGSNKGAIIGLMVG	>3
DVGSNKGAIIGGMVGG	2.3
VGSNKGAIIGGMVGGG	2.1
GSNKGAIIGGMVGGVG	1.5
SNKGAIIGGMVGGVVG	NB
NKGAIIGGMVGGVVIG	NB

10-mer Peptides (min. epitope tested)	
VGSNKGAIIGG	NB
GSNKGAIIGLG	2
SNKGAIIGLMG	NB

FIG. 11

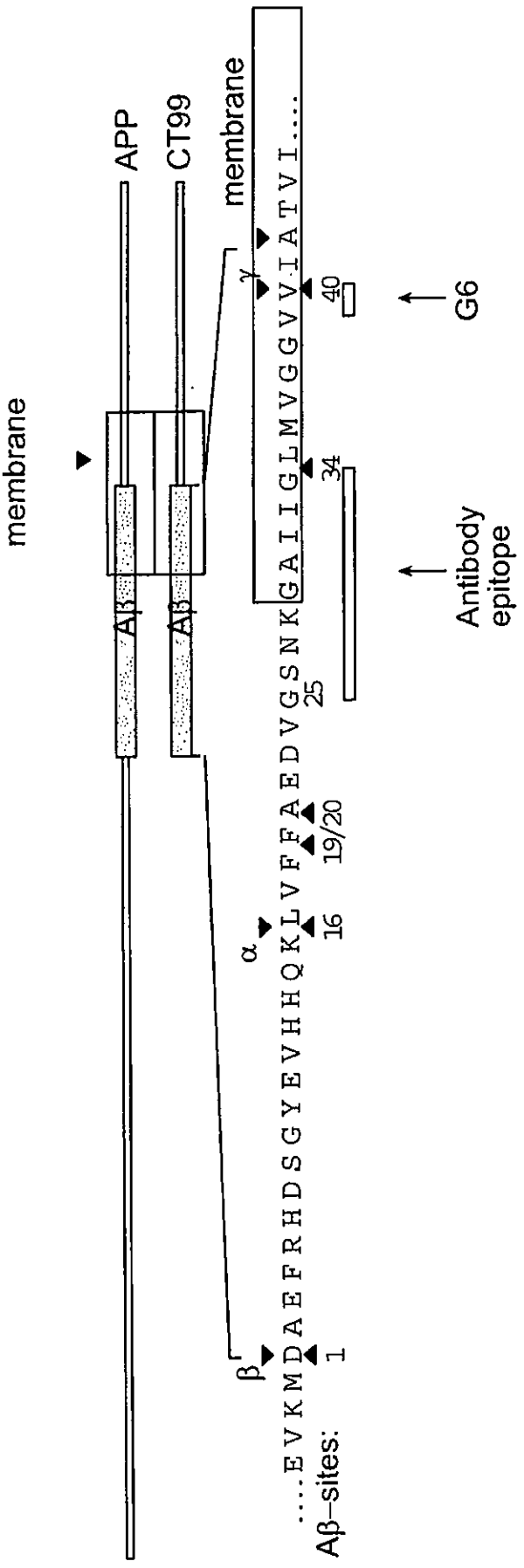

membrane
APP
CT99
membrane
Aβ
Aβ
γ
40
34
G6
Antibody epitope
α
β
....E V K M D A E F R H D S G Y E V H H Q K L V F F A E D V G S N K G A I I G L M V G G V V I A T V I....
Aβ–sites: 1 16 19/20 25

FIG. 12

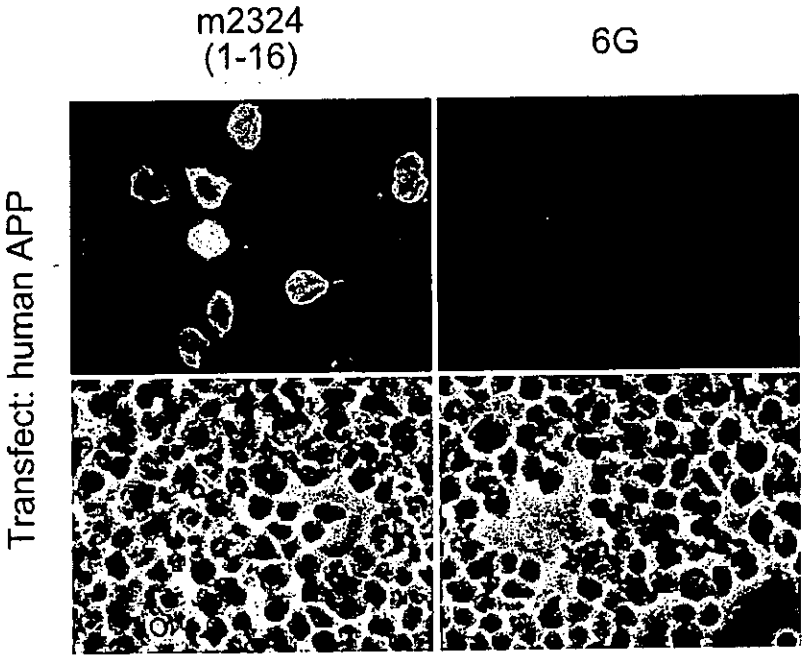


FIG. 13

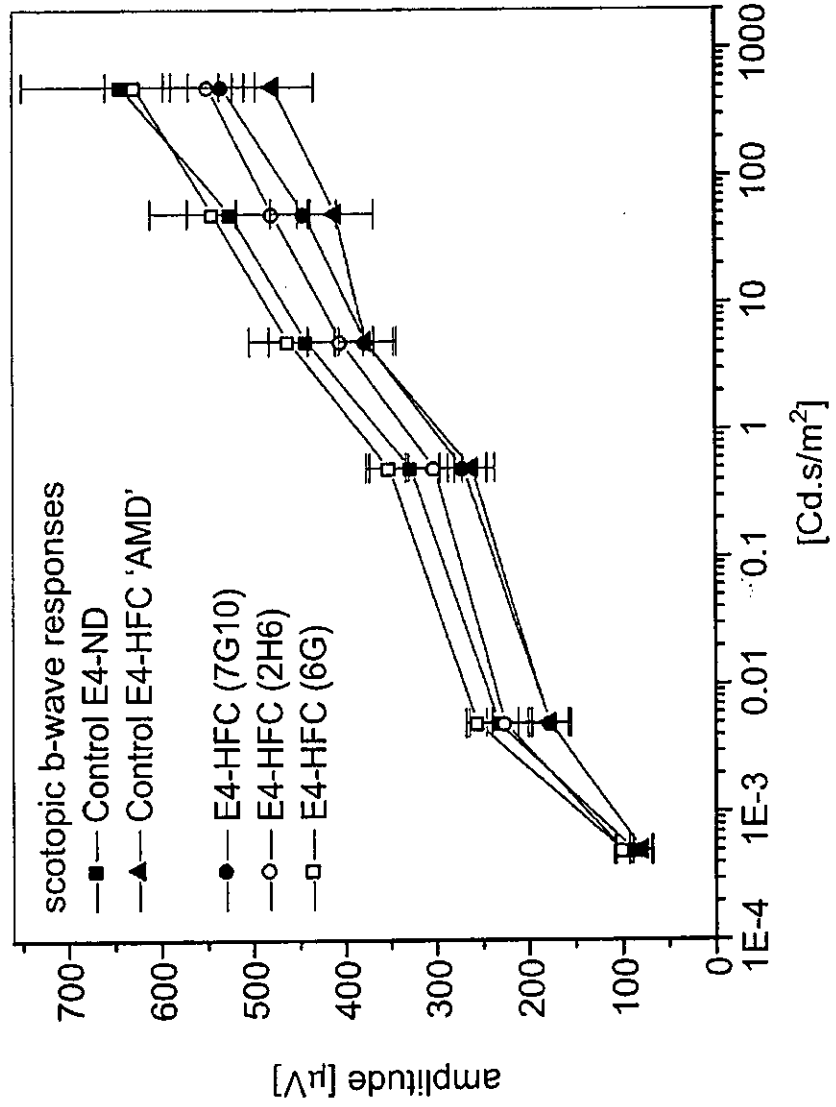
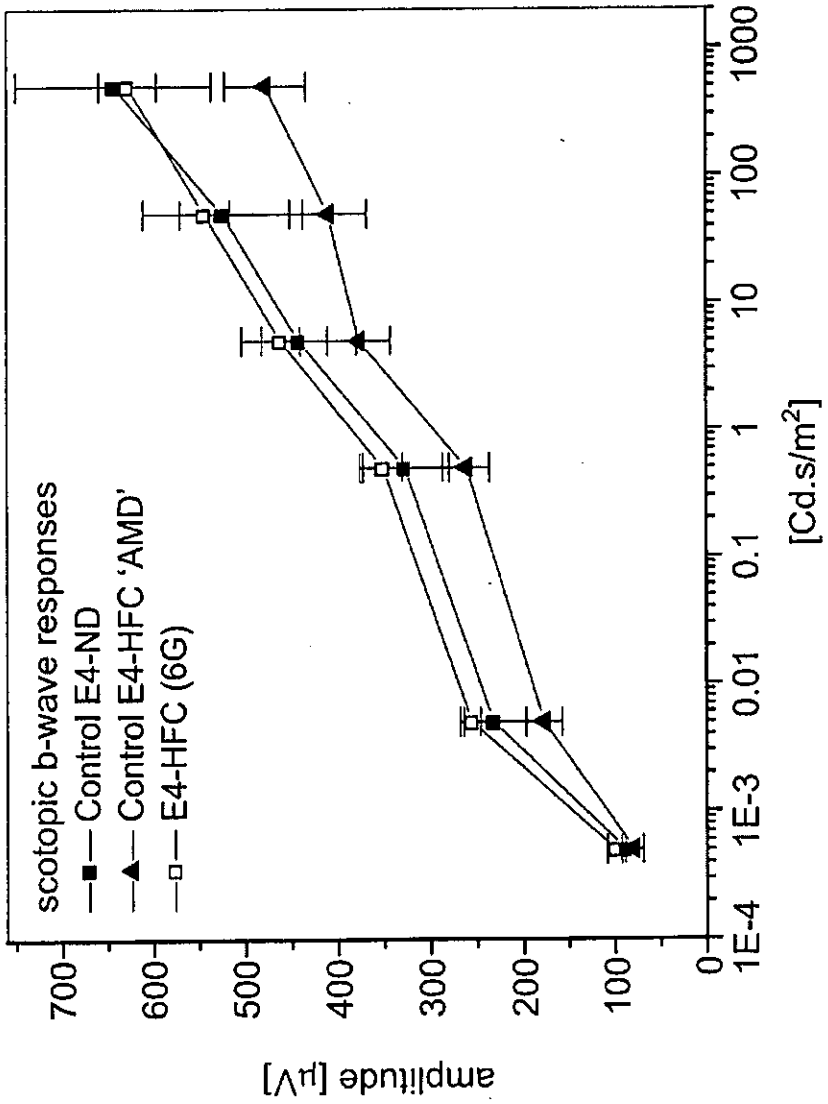

scotopic b-wave responses
Control E4-ND
Control E4-HFC 'AMD'
E4-HFC (7G10)
E4-HFC (2H6)
E4-HFC (6G)
amplitude [μV]
0
100
200
300
400
500
600
700
1E-4
1E-3
0.01
0.1
1
10
100
1000
[Cd.s/m²]

FIG. 14


scotopic b-wave responses
Control E4-ND
Control E4-HFC 'AMD'
E4-HFC (6G)
amplitude [µV]
0
100
200
300
400
500
600
700
1E-4
1E-3
0.01
0.1
1
10
100
1000
[Cd.s/m²]