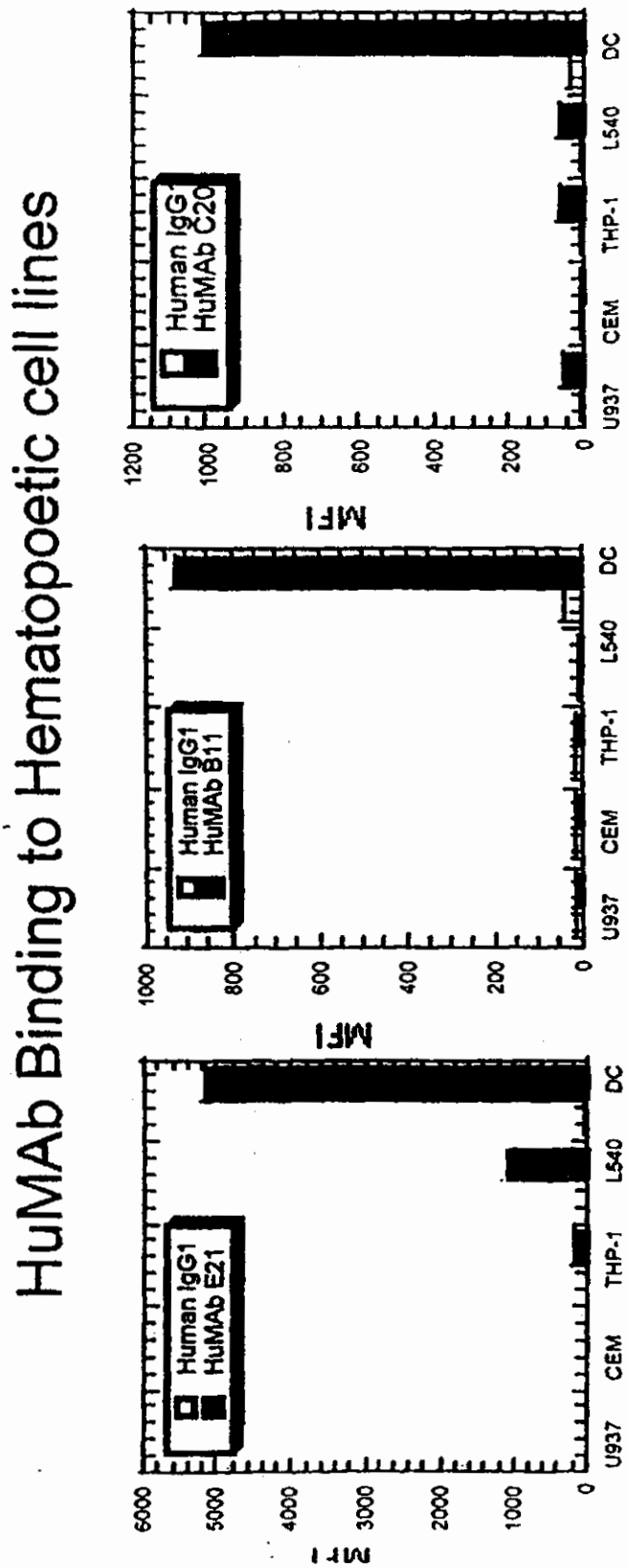

HuMAb Binding to Hematopoetic cell lines
Human IgG1
HuMAb C20
Human IgG1
HuMAb B11
Human IgG1
HuMAb E21
MFI
U937
CEM
THP-1
L540
DC

Fig. 1

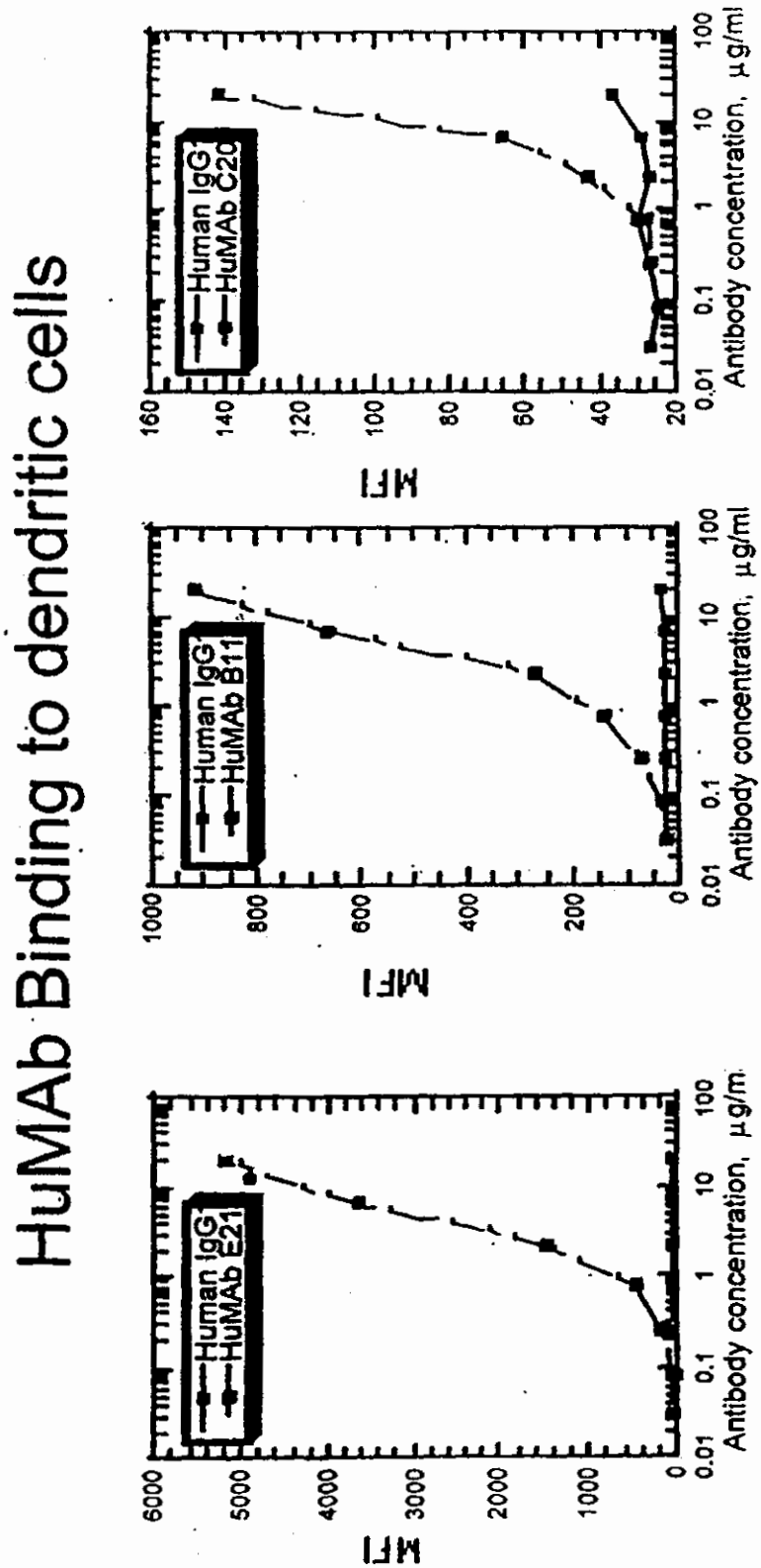

HuMAb Binding to dendritic cells
MFI
Antibody concentration, µg/ml
Human IgG1
HuMAb E21
HuMAb B11
HuMAb C20

Fig. 2

04 AUG 2006

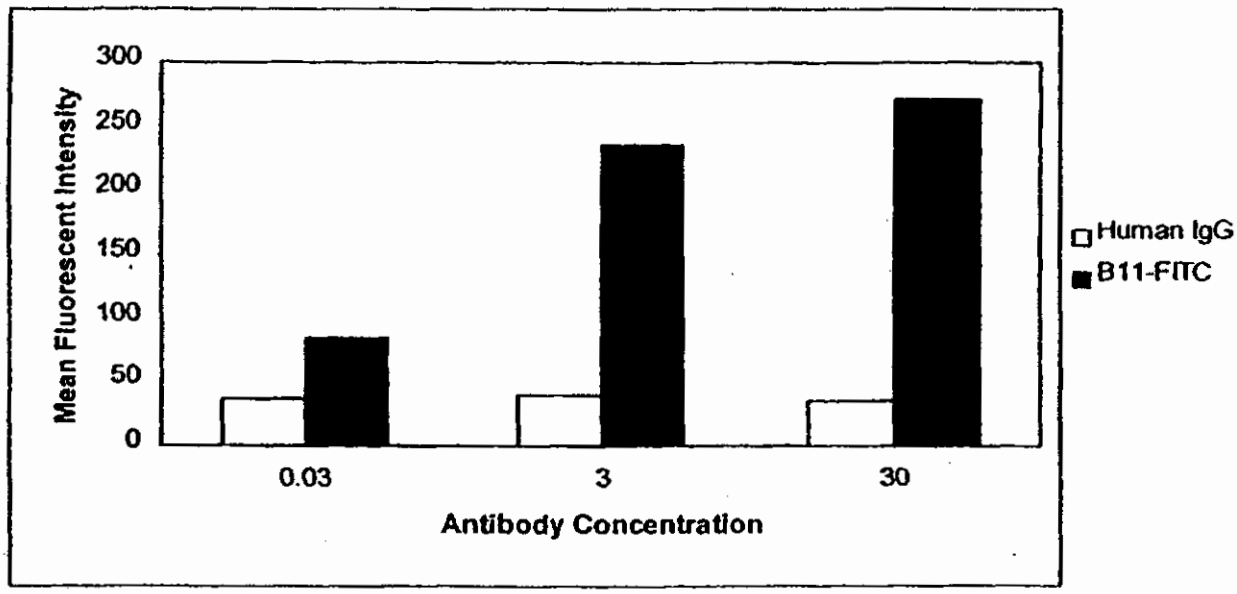
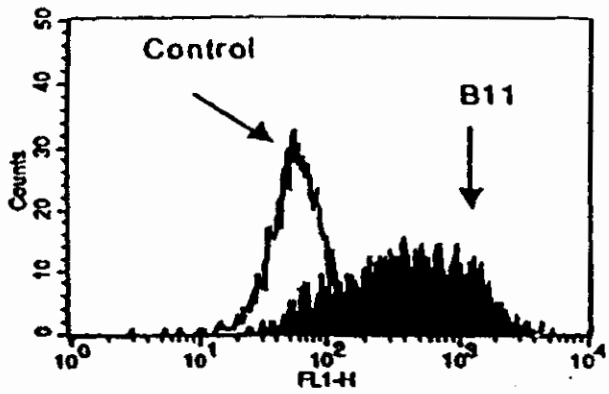


Fig. 3

Macrophages



Dendritic Cells

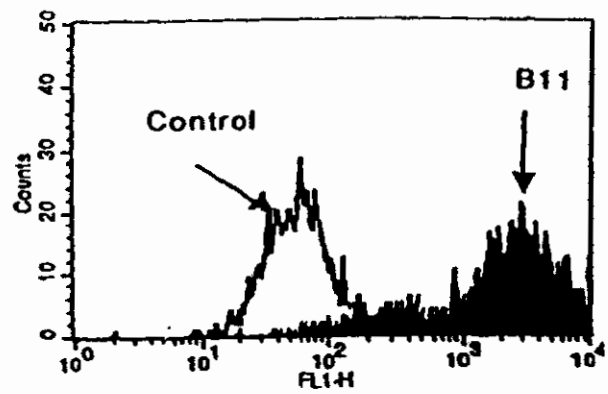


Fig. 4

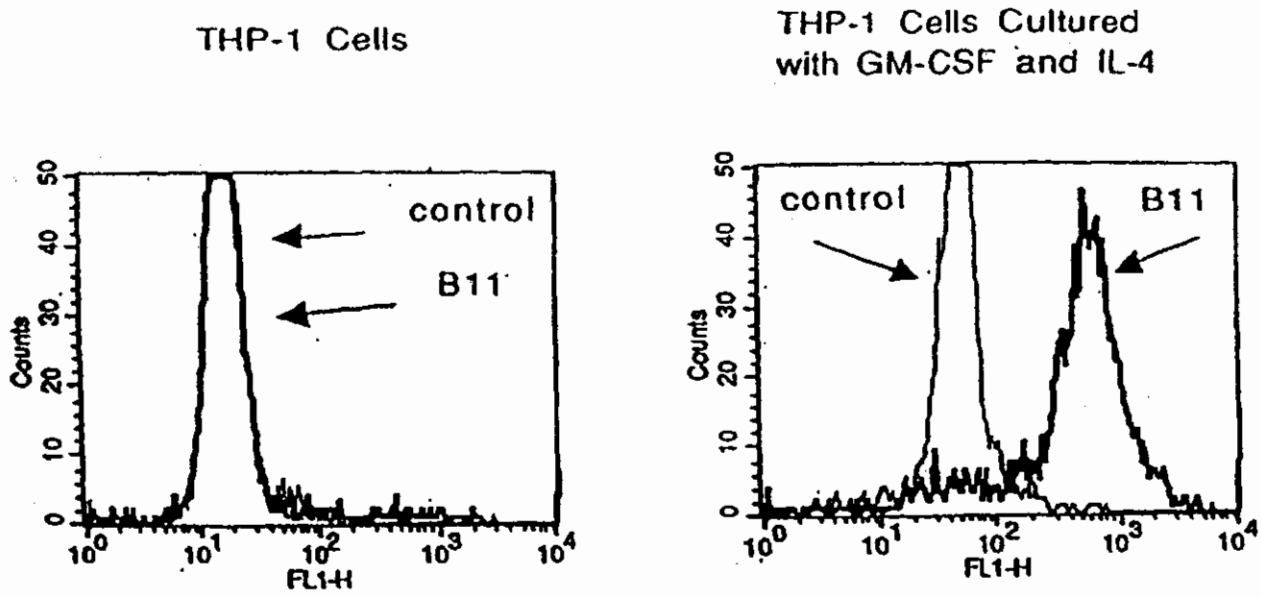

THP-1 Cells
THP-1 Cells Cultured with GM-CSF and IL-4
control
B11
Counts
FL1-H

Fig. 5

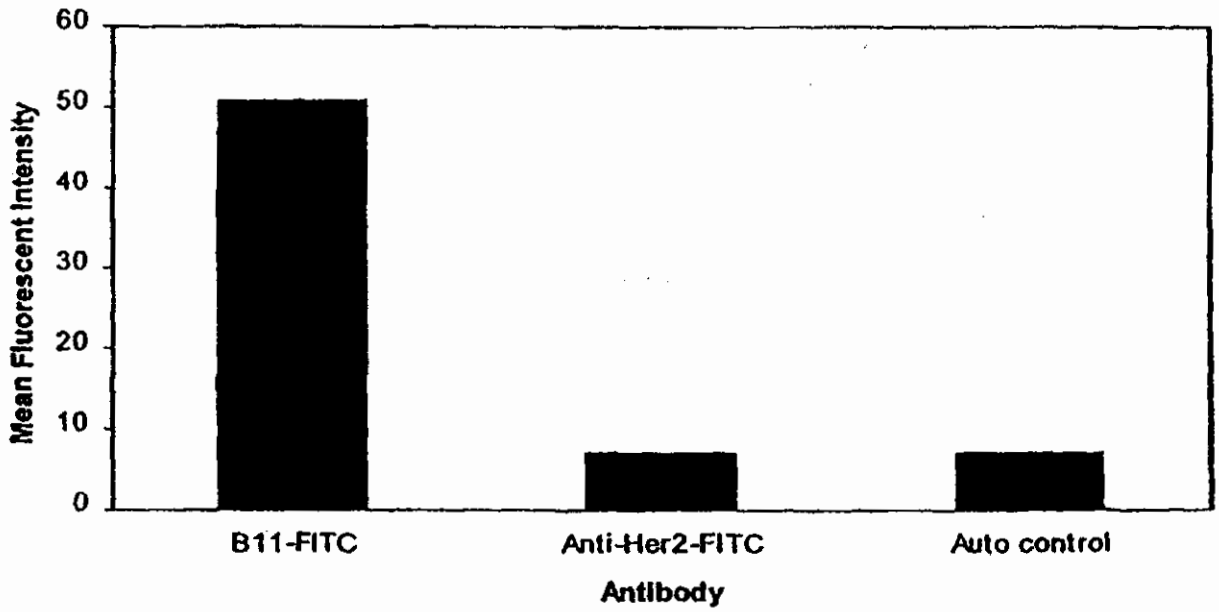

60
50
40
30
20
10
0
Mean Fluorescent Intensity
B11-FITC
Anti-Her2-FITC
Auto control
Antibody

Fig. 6

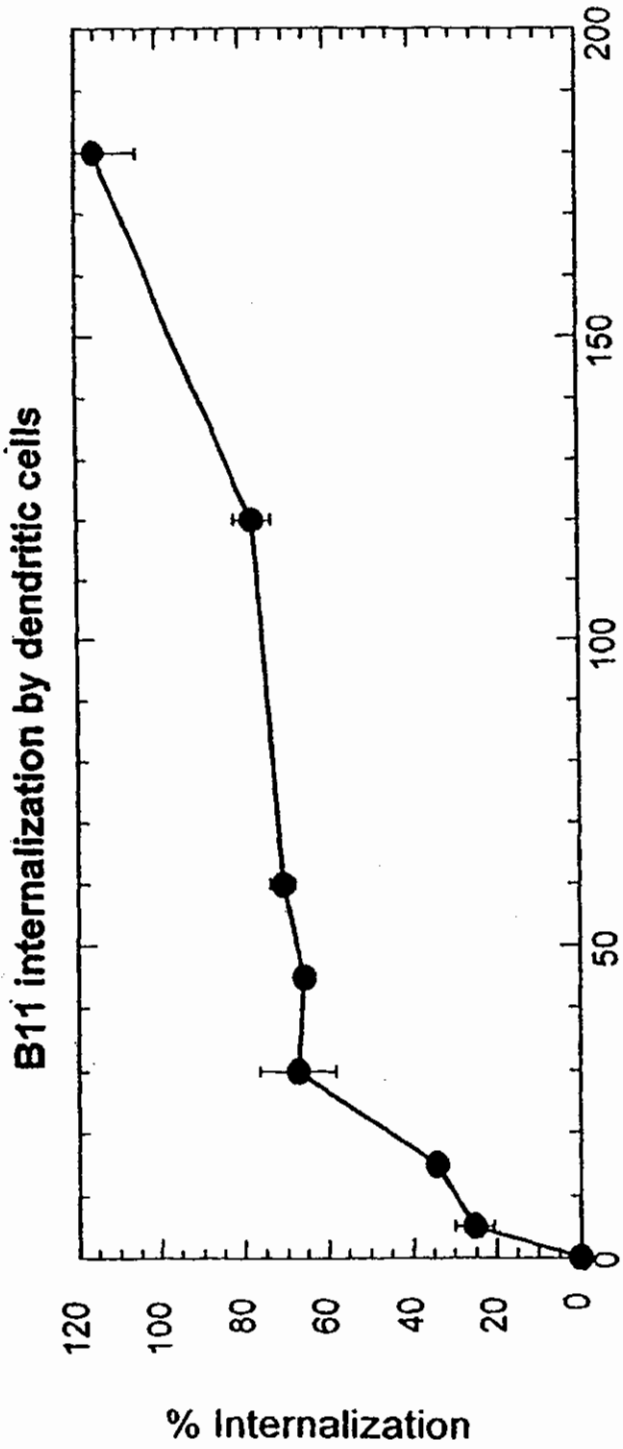

B11 internalization by dendritic cells
% Internalization
120
100
80
60
40
20
0
0
50
100
150
200
Time at 37 °C, minutes

Fig. 7

04 AUG 2006

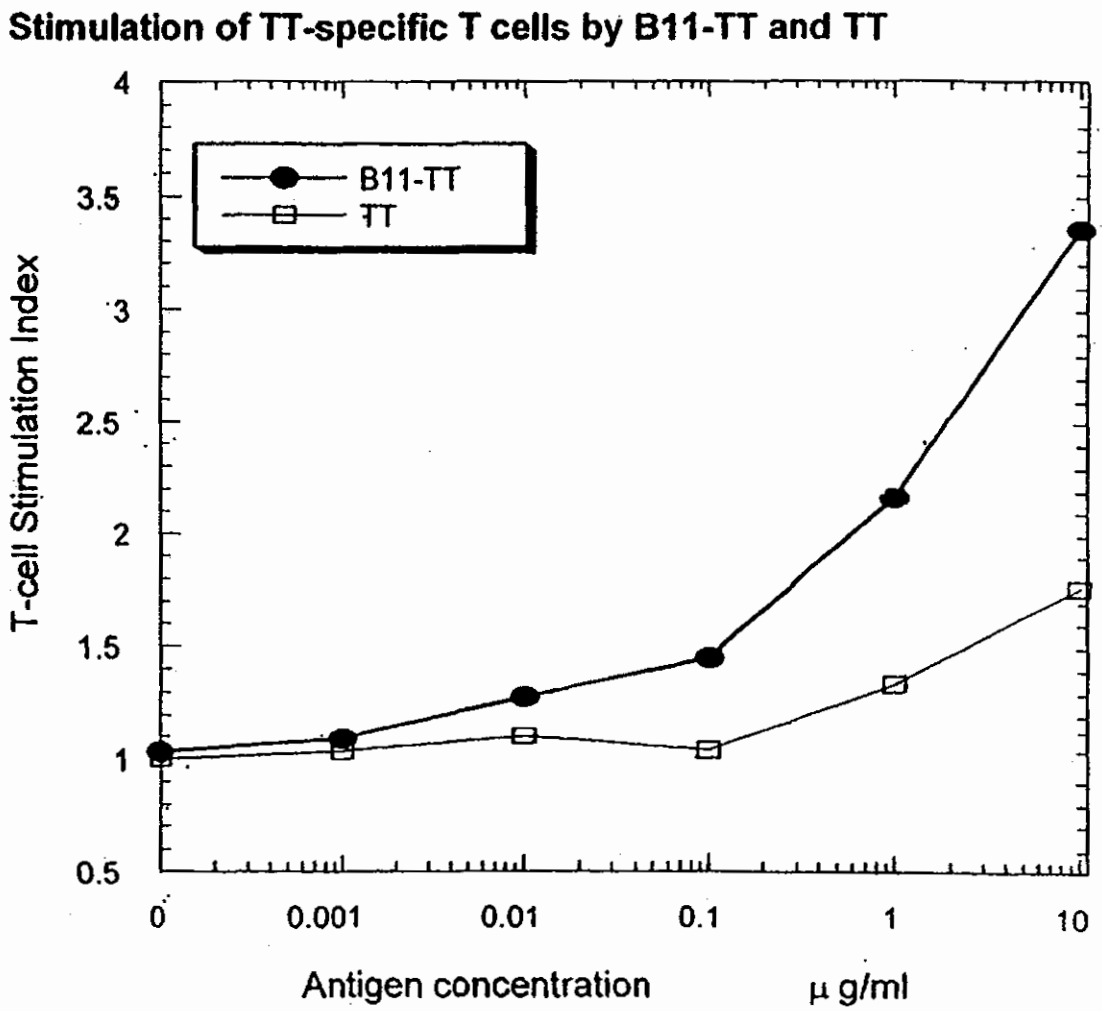


Fig. 8

0 4 AUG 2006

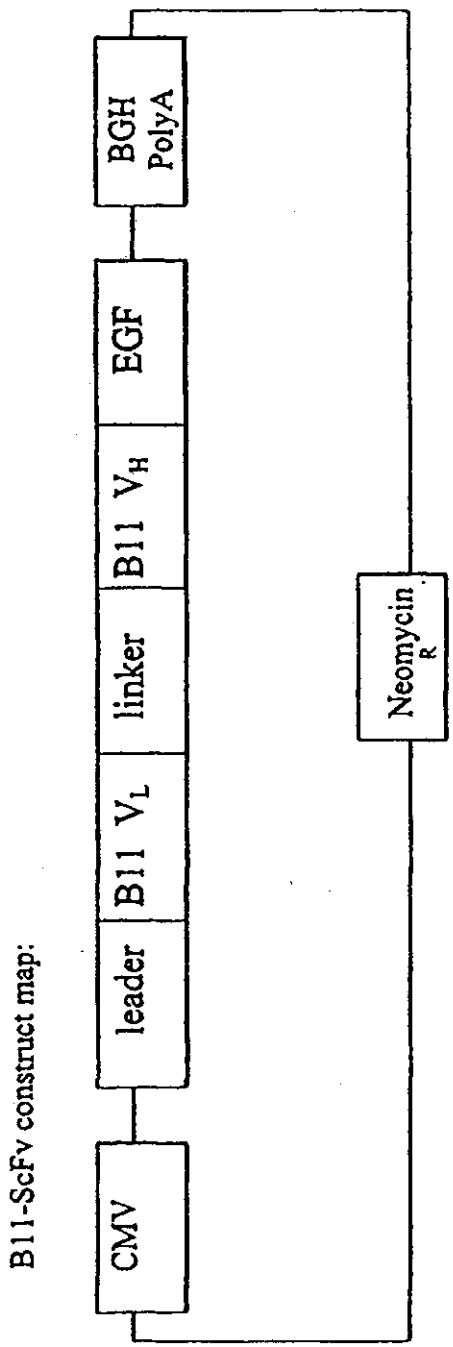


Fig. 9

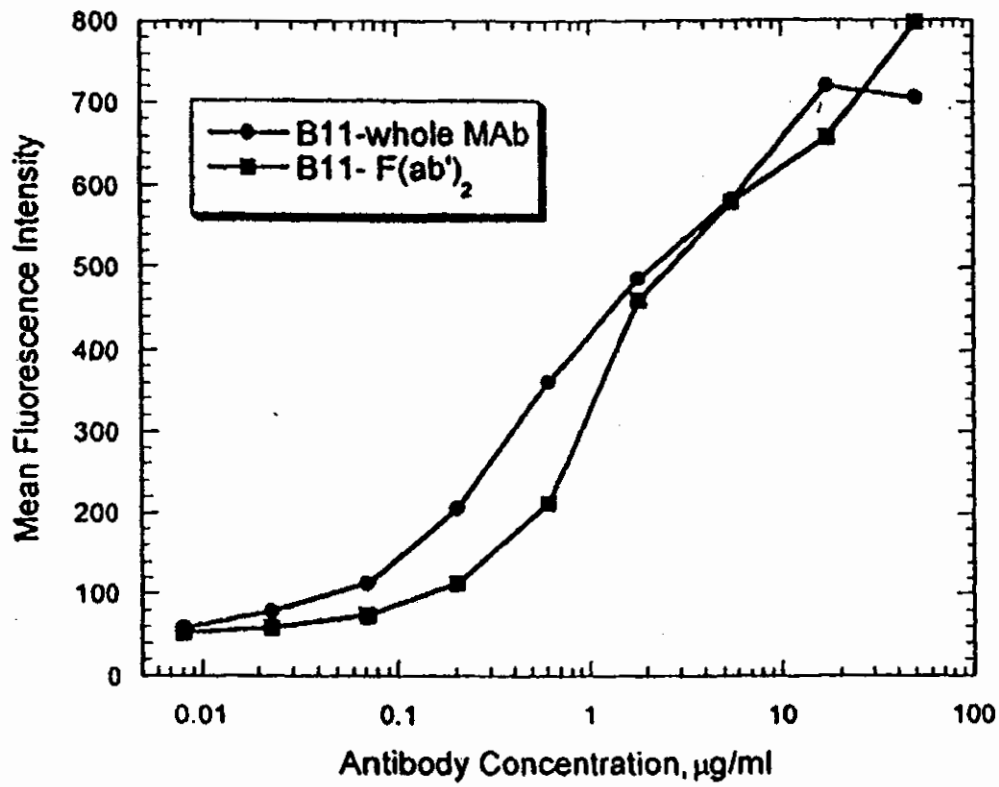

800
700
600
500
400
300
200
100
0
Mean Fluorescence Intensity
B11-whole MAb
B11- F(ab')2
0.01
0.1
1
10
100
Antibody Concentration, µg/ml

Fig. 10

0 4 AUG 2006

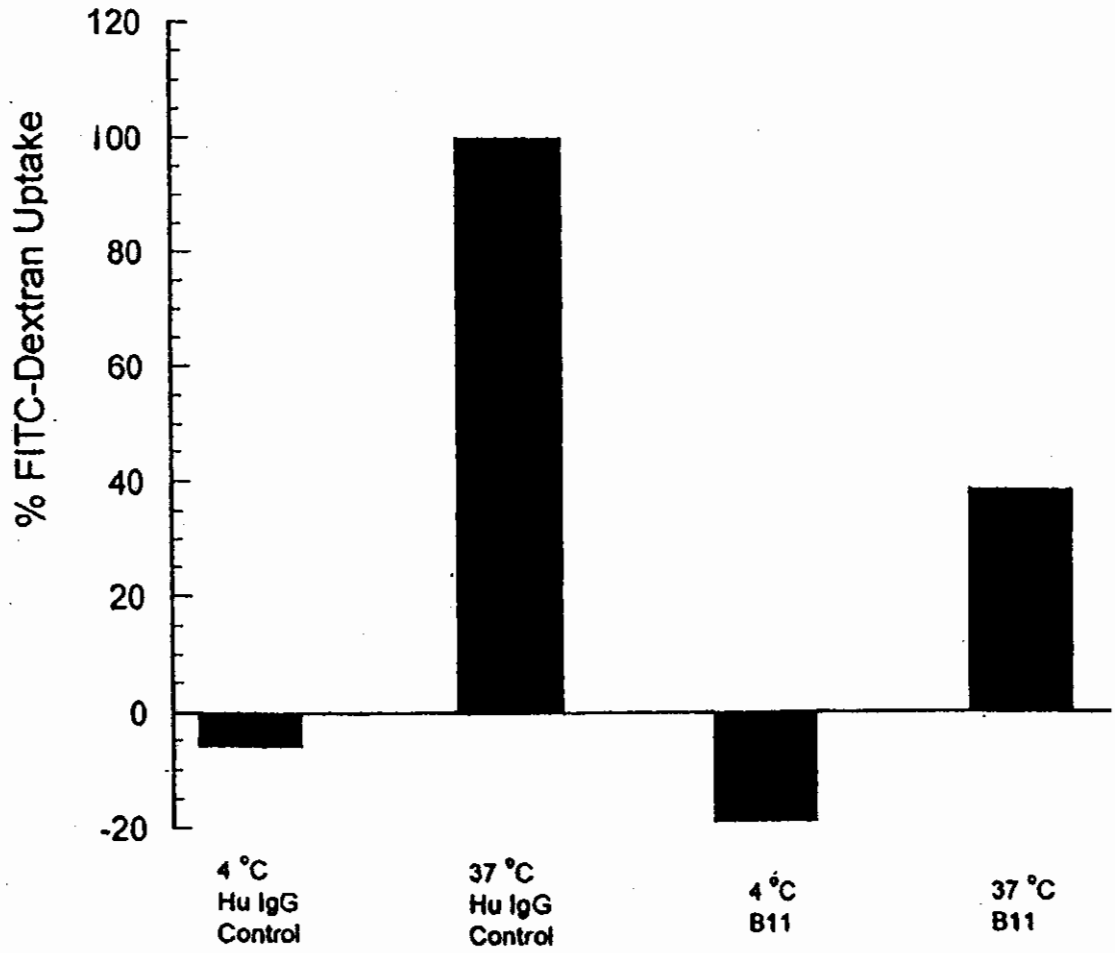


Fig. 11

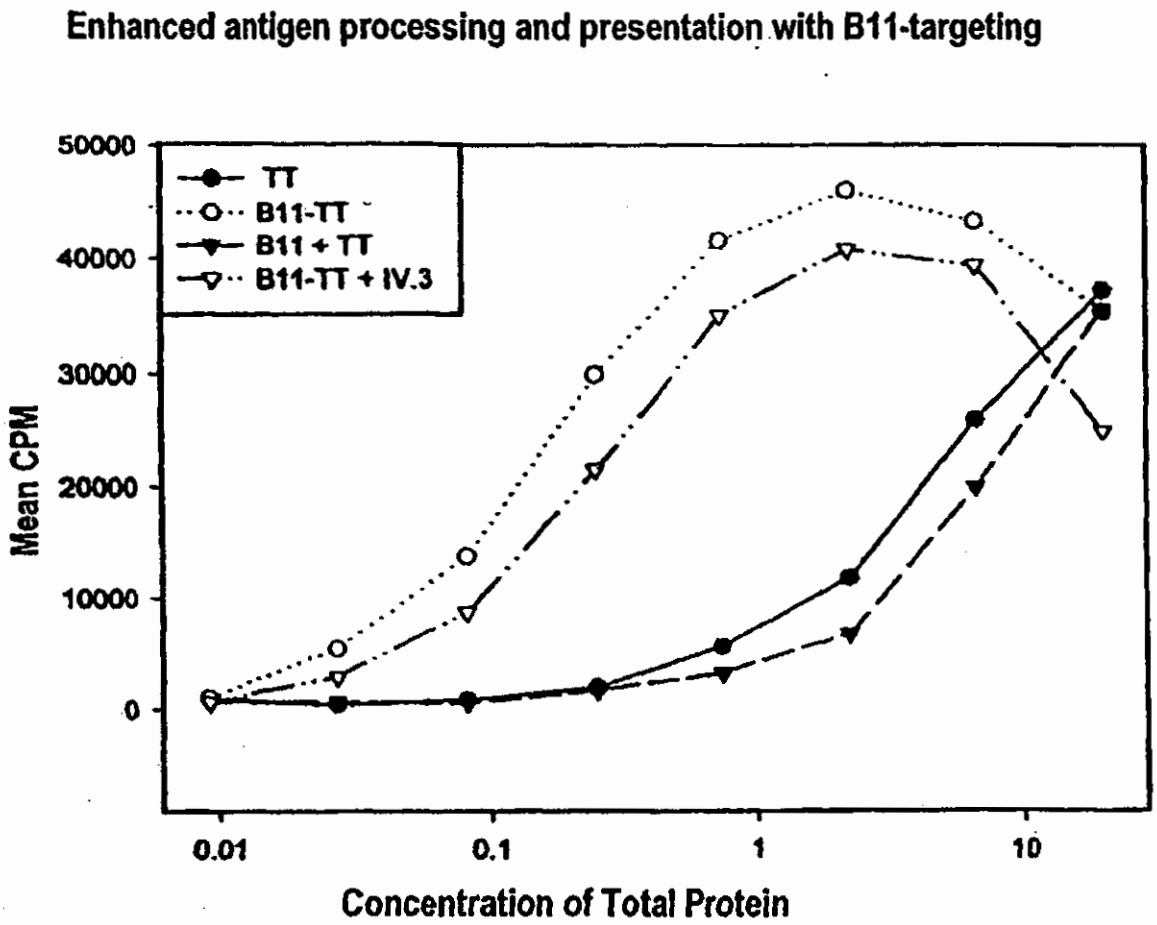

Enhanced antigen processing and presentation with B11-targeting
TT
B11-TT
B11 + TT
B11-TT + IV.3
Mean CPM
50000
40000
30000
20000
10000
0
0.01
0.1
1
10
Concentration of Total Protein

Fig. 12

B11 HuMAb sequence data:

B11 VL DNA:
GACATCCAGATGACCCAGTCTCCATCCTCACTGTCTGCATCTGTAGGAGACA
GAGTCACCATCACTTGTCGGGCGAGTCA
GGGTATTAGCAGGTGGTTAGCCTGGTATCAGCAGAAACCAGAGAAAGCCCCT
AAGTCCCTGATCTATGCTGCATCCAGTT
TGCAAAGTGGGGTCCCATCAAGGTTCAGCGGCAGTGGATCTGGGACAGATTT
CACTCTCACCATCAGCGGCCTGCAGCCT
GAAGATTTTGCAACTTATTACTGCCAACAGTATAATAGTTACCCTCGGACGTT
CGGCCAAGGGACCAAGGTGGAAATCAA
A

B11 VL protein:
DIQMTQSPSSLSASVGDRVTITCRASQGISRWLAWYQQKPEKAPKSLIYAASSLQ
SGVPSRFSGSGSGTDFTLTISGLQP
EDFATYYCQQYNSYPRTFGQGTKVEIK

B11 VH DNA:
GAGGTGCAGCTGGTGCAGTCTGGAGCAGAGGTGAAAAAGCCCGGGGAGTCT
CTGAGGATCTCCTGTAAGGGTTCTGGAGA
CAGTTTTACCACCTACTGGATCGGCTGGGTGCGCCAGATGCCCGGGAAAGGC
CTGGAGTGGATGGGGATCATCTATCCTG
GTGACTCTGATACCATATACAGCCCGTCCTTCCAAGGCCAGGTCACCATCTCA
GCCGACAAGTCCATCAGCACCGCCTAC
CTGCAGTGGAGCAGCCTGAAGGCCTCGGACACCGCCATGTATTACTGTACGA
GAGGGGACCGGGGCGTTGACTACTGGGG
CCAGGGAACCCTGGTCACCGTCTCCTCA

B11 VH protein:
EVQLVQSGAEVKKPGESLRISCKGSGDSFTTYWIGWVRQMPGKGLEWMGIIYPG
DSDTIYSPSFQGQVTISADKSISTAY
LQWSSLKASDTAMYYCTRGDRGVDYWGQGTLVTVSS

Fig. 13

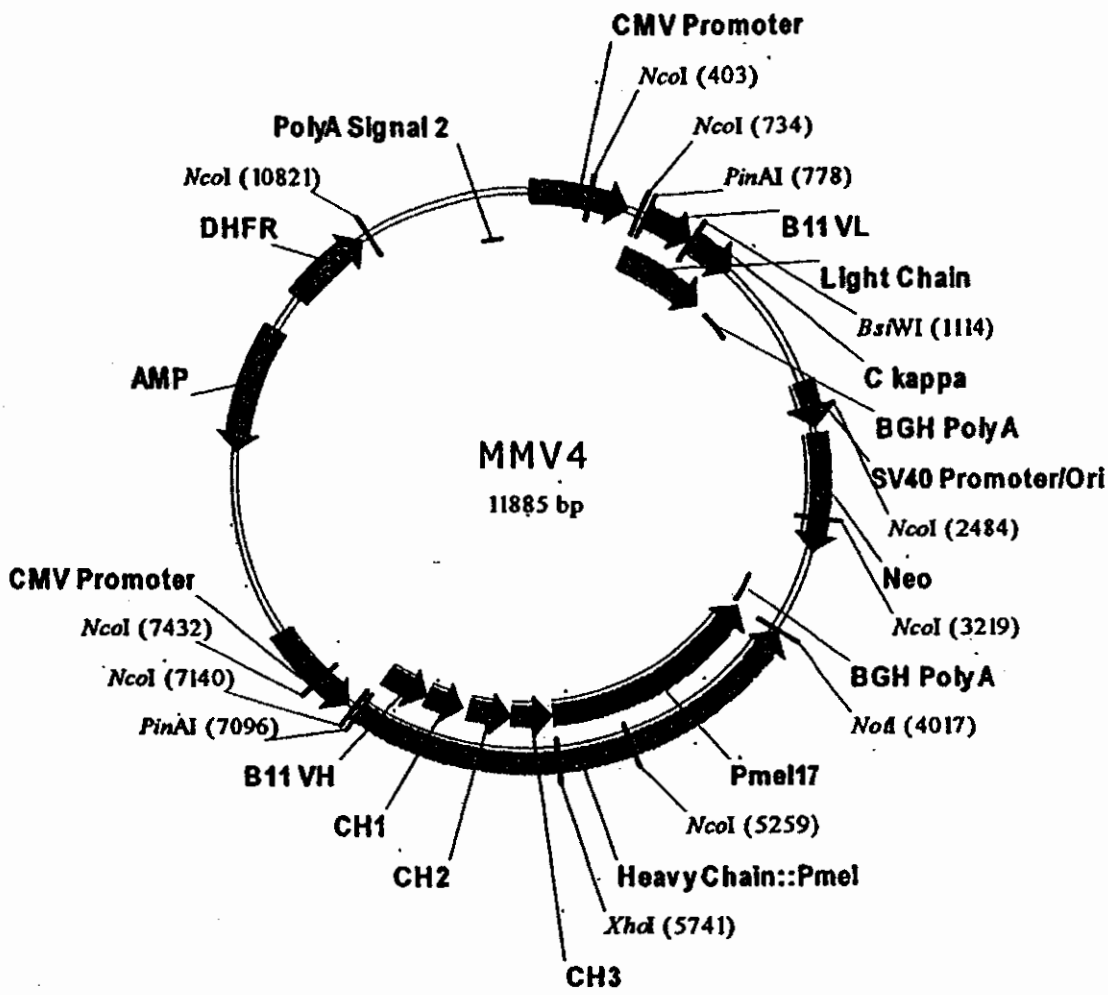

CMV Promoter
NcoI (403)
NcoI (734)
PinAI (778)
B11 VL
Light Chain
BstWI (1114)
C kappa
BGH PolyA
SV40 Promoter/Ori
NcoI (2484)
Neo
NcoI (3219)
BGH PolyA
NotI (4017)
Pmel17
NcoI (5259)
Heavy Chain::Pmel
XhoI (5741)
CH3
CH2
CH1
B11 VH
PinAI (7096)
NcoI (7140)
NcoI (7432)
CMV Promoter
MMV4
11885 bp
AMP
DHFR
NcoI (10821)
PolyA Signal 2

Fig. 14

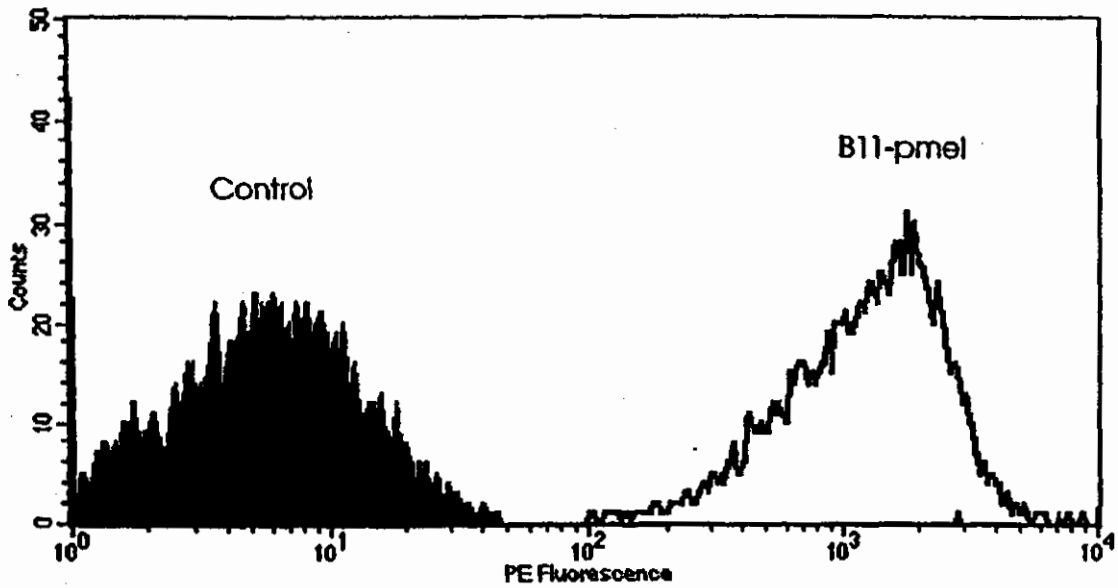

Control
B11-pmel
Counts
PE Fluorescence
0
10
20
30
40
50
10^0
10^1
10^2
10^3
10^4

Fig. 15

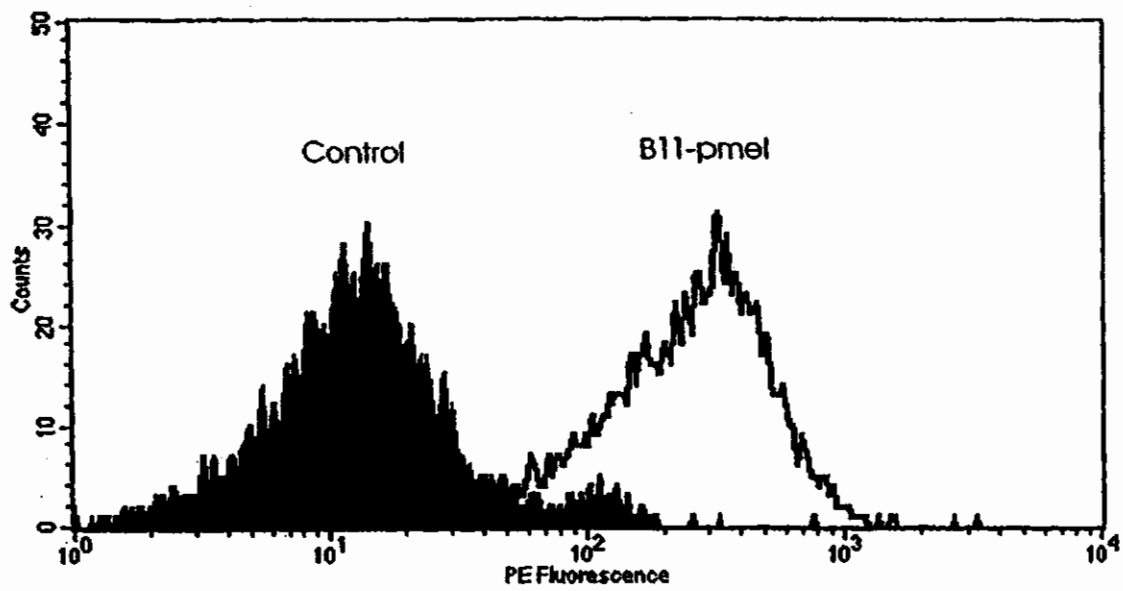

Control
B11-pmel
Counts
0
10
20
30
40
50
10^0
10^1
10^2
10^3
10^4
PE Fluorescence

Fig. 16