FIGURES

Figure 1A

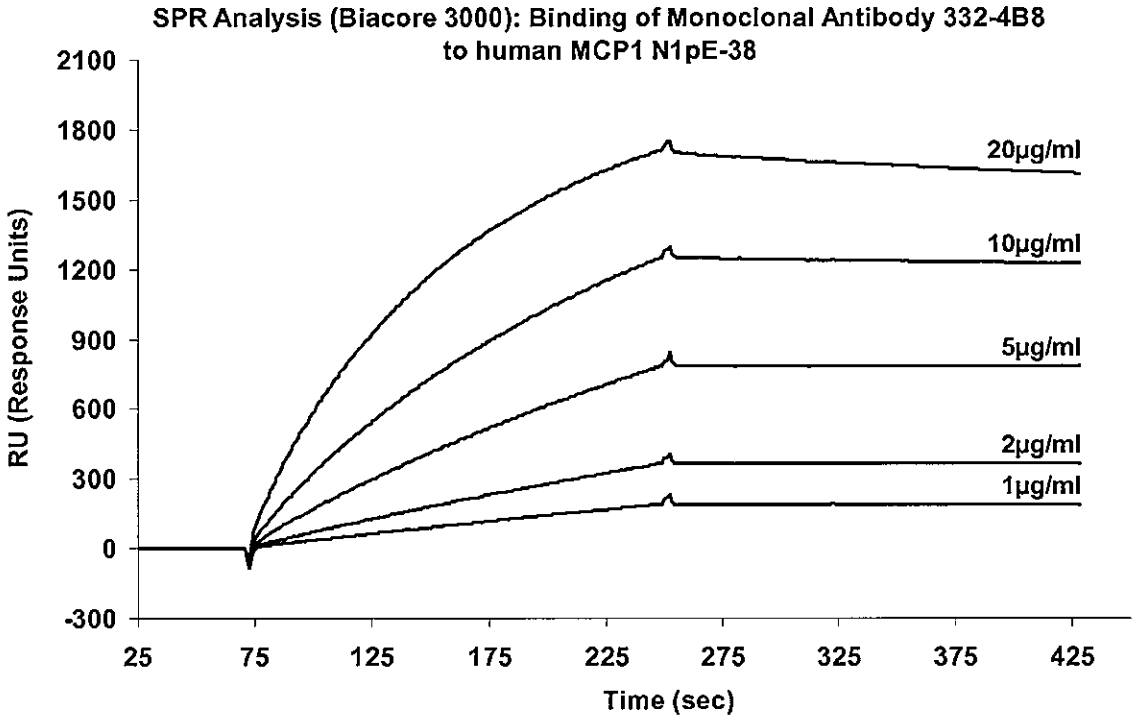


Figure 1B

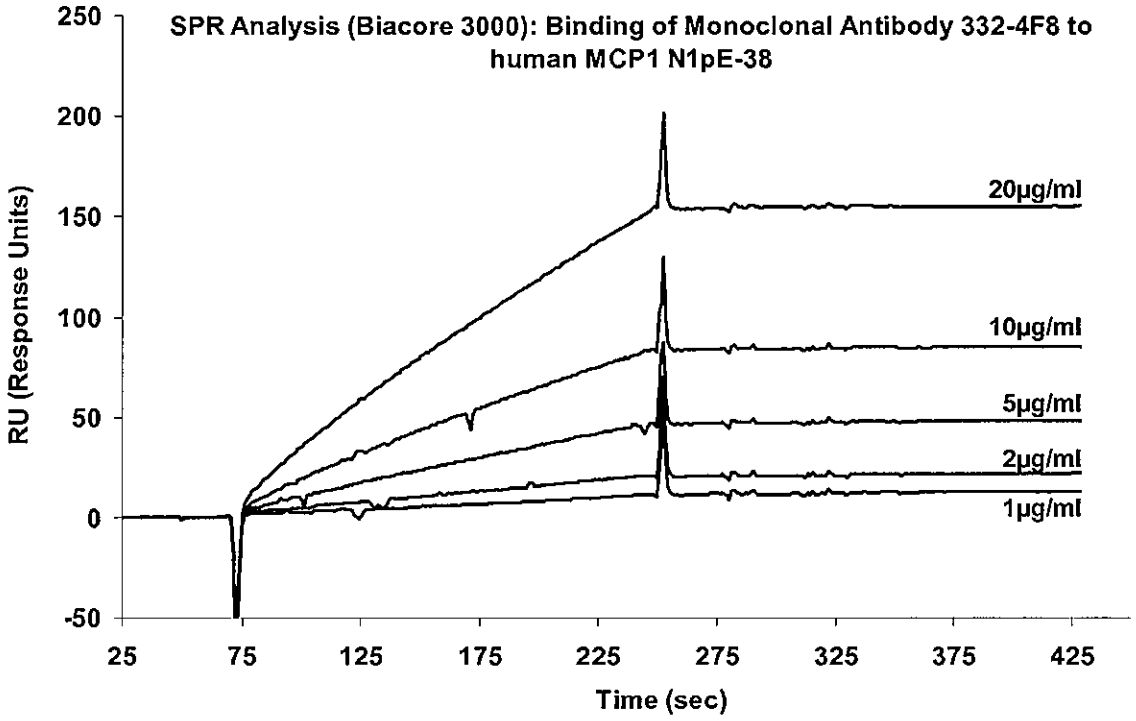

SPR Analysis (Biacore 3000): Binding of Monoclonal Antibody 332-4F8 to human MCP1 N1pE-38
RU (Response Units)
250
200
150
100
50
0
-50
25
75
125
175
225
275
325
375
425
Time (sec)
20µg/ml
10µg/ml
5µg/ml
2µg/ml
1µg/ml

Figure 1C

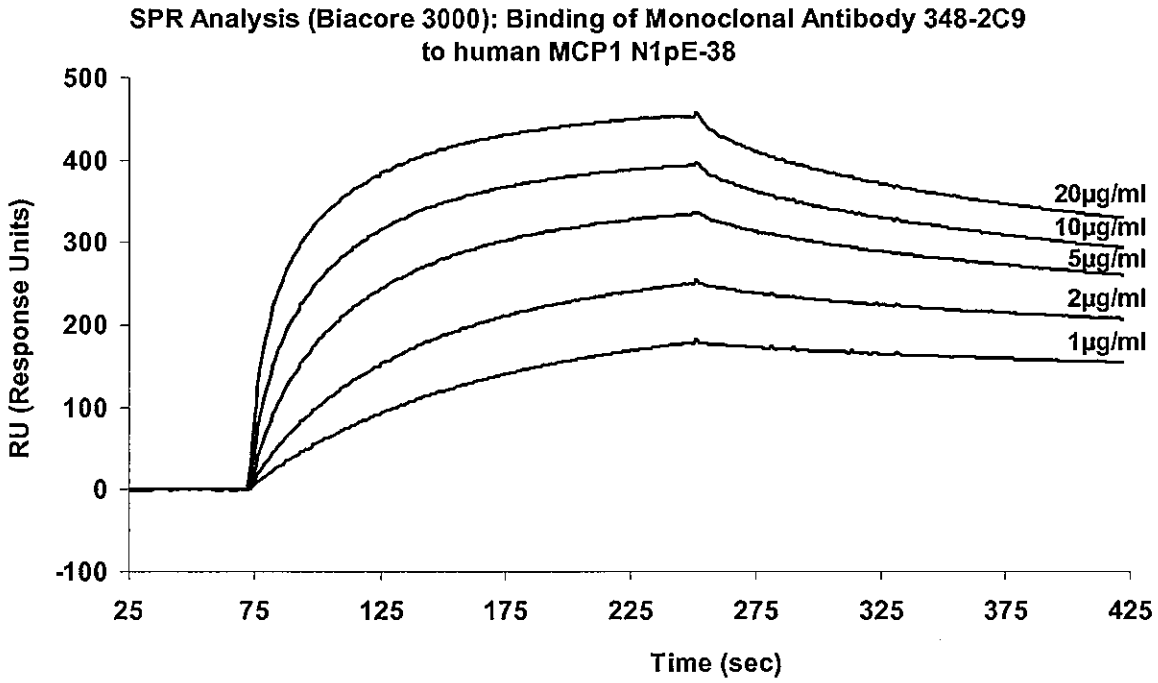

SPR Analysis (Biacore 3000): Binding of Monoclonal Antibody 348-2C9
to human MCP1 N1pE-38
RU (Response Units)
500
400
300
200
100
0
-100
25
75
125
175
225
275
325
375
425
Time (sec)
20µg/ml
10µg/ml
5µg/ml
2µg/ml
1µg/ml

Figure 1D

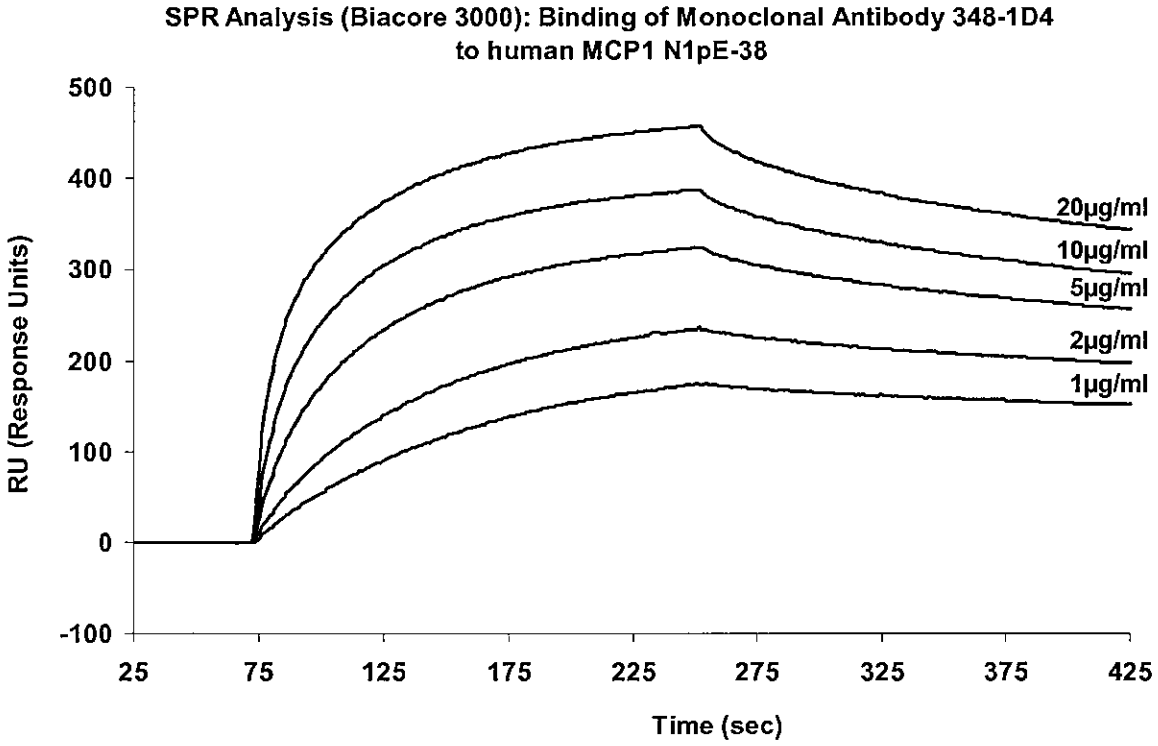

SPR Analysis (Biacore 3000): Binding of Monoclonal Antibody 348-1D4
to human MCP1 N1pE-38
RU (Response Units)
500
400
300
200
100
0
-100
25
75
125
175
225
275
325
375
425
Time (sec)
20µg/ml
10µg/ml
5µg/ml
2µg/ml
1µg/ml

Figure 2A

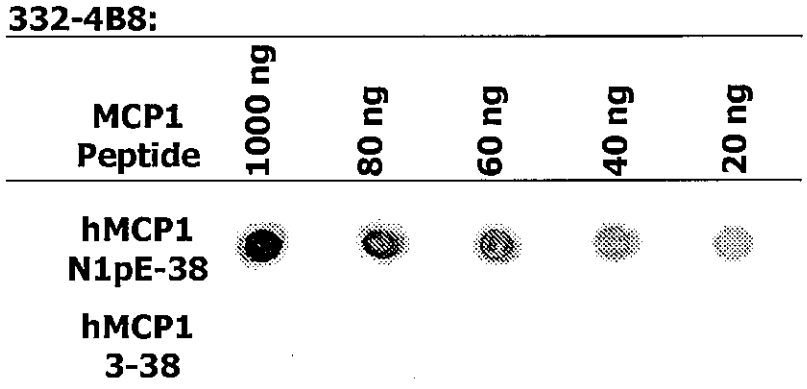

332-4B8:
MCP1 Peptide
1000 ng
80 ng
60 ng
40 ng
20 ng
hMCP1 N1pE-38
hMCP1 3-38

Figure 2B

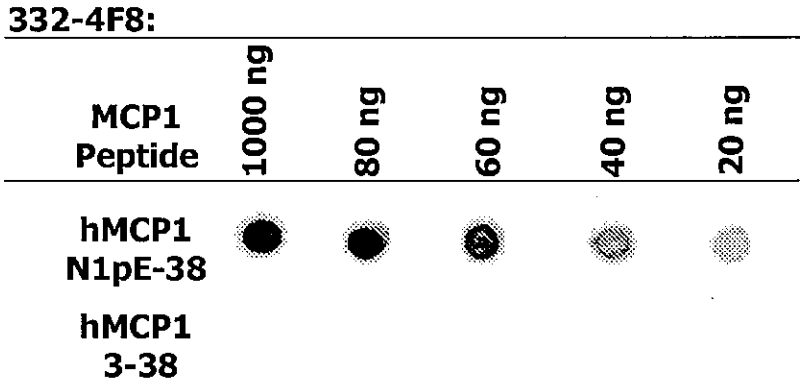

332-4F8:
MCP1 Peptide
1000 ng
80 ng
60 ng
40 ng
20 ng
hMCP1 N1pE-38
hMCP1 3-38

Figure 2C

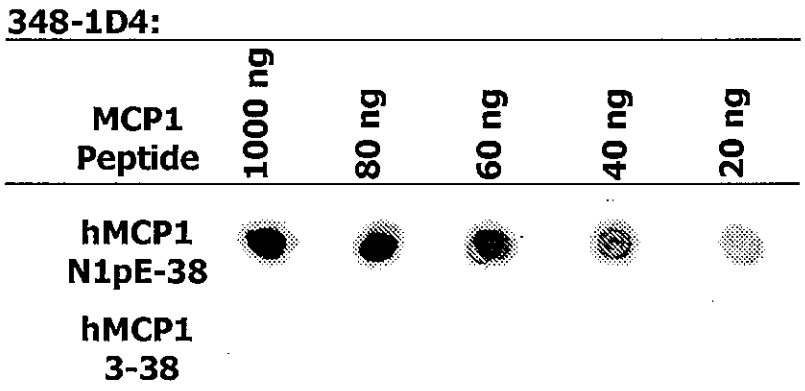

348-1D4:
MCP1 Peptide
1000 ng
80 ng
60 ng
40 ng
20 ng
hMCP1 N1pE-38
hMCP1 3-38

Figure 2D

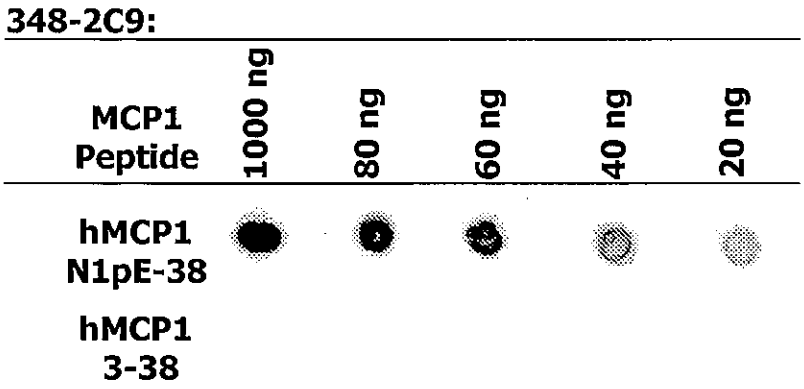

348-2C9:
MCP1 Peptide
1000 ng
80 ng
60 ng
40 ng
20 ng
hMCP1 N1pE-38
hMCP1 3-38

Figure 3

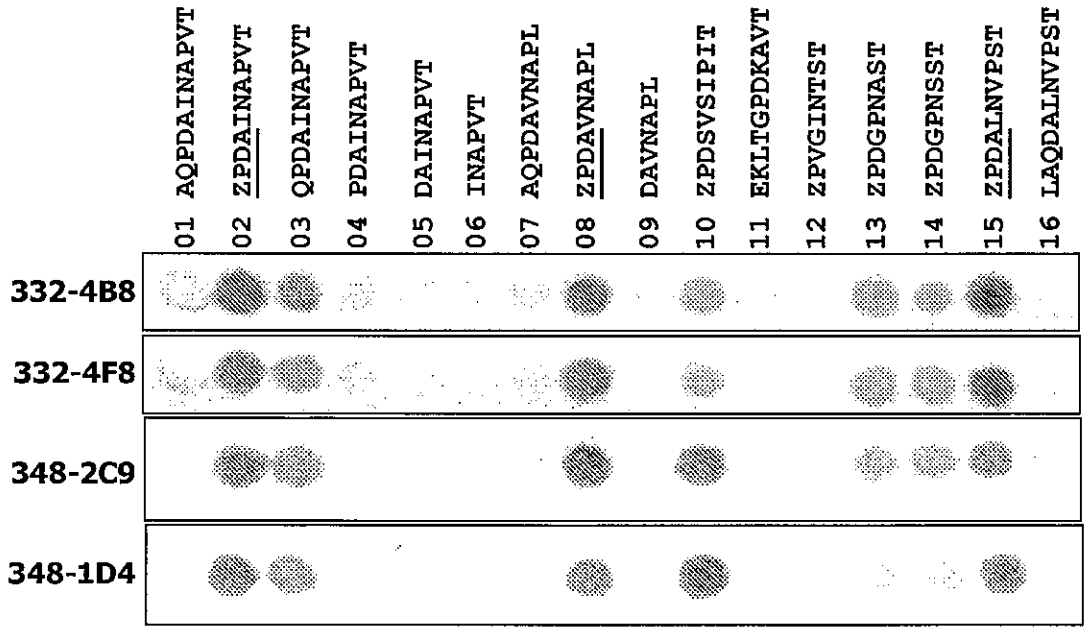

01 AQPDAINAPVT
02 ZPDAINAPVT
03 QPDAINAPVT
04 PDAINAPVT
05 DAINAPVT
06 INAPVT
07 AQPDAVNAPL
08 ZPDAVNAPL
09 DAVNAPL
10 ZPDSVSIPIT
11 EKLTGPDKAVT
12 ZPVGINTST
13 ZPDGPNAST
14 ZPDGPNSST
15 ZPDALNVPST
16 LAQDALNVPST
332-4B8
332-4F8
348-2C9
348-1D4

Figure 4

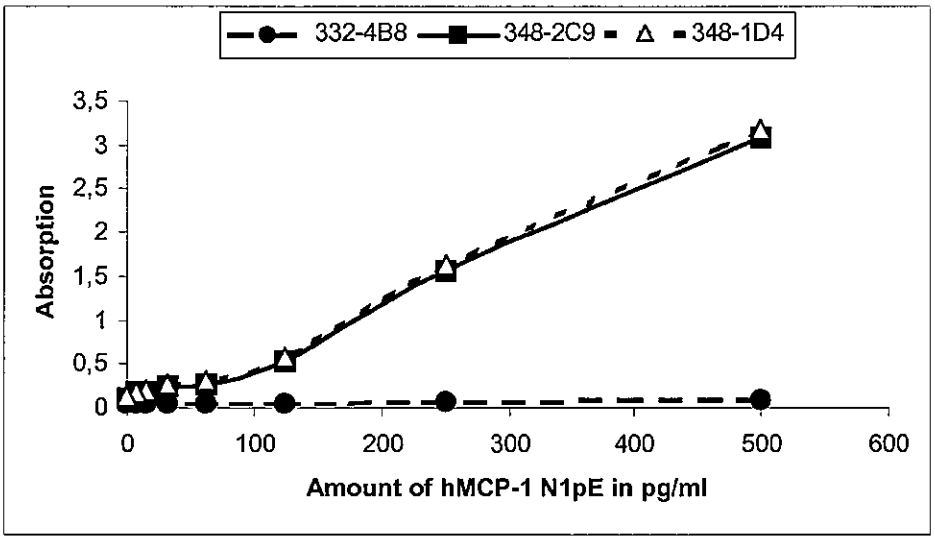

332-4B8
348-2C9
348-1D4
Absorption
3,5
3
2,5
2
1,5
1
0,5
0
0
100
200
300
400
500
600
Amount of hMCP-1 N1pE in pg/ml

Figure 5

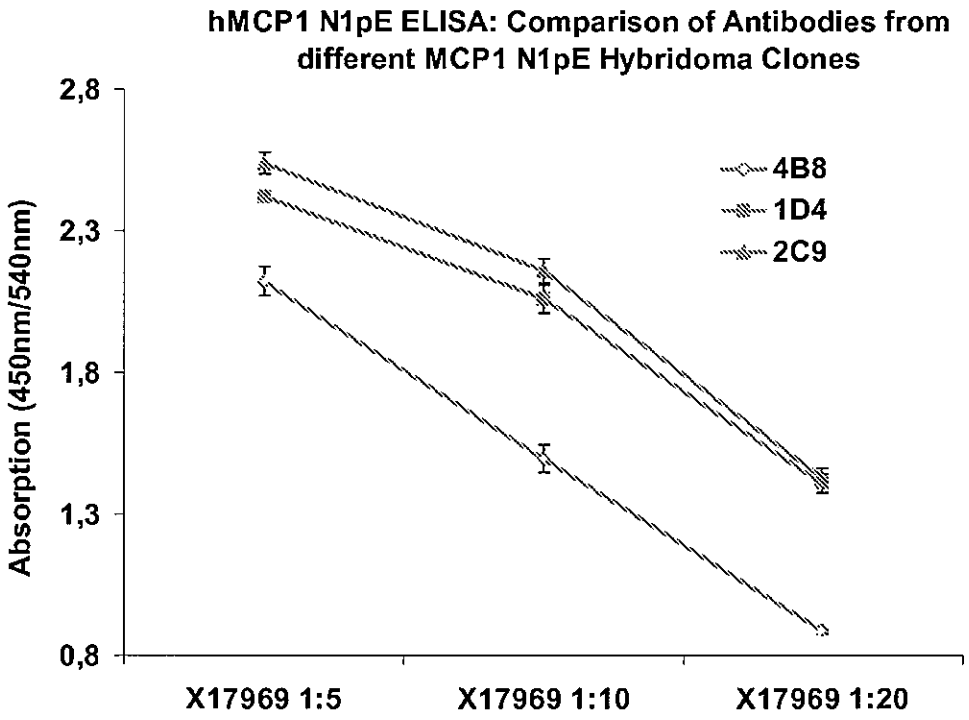

hMCP1 N1pE ELISA: Comparison of Antibodies from different MCP1 N1pE Hybridoma Clones
Absorption (450nm/540nm)
2,8
2,3
1,8
1,3
0,8
4B8
1D4
2C9
X17969 1:5
X17969 1:10
X17969 1:20

Figure 6

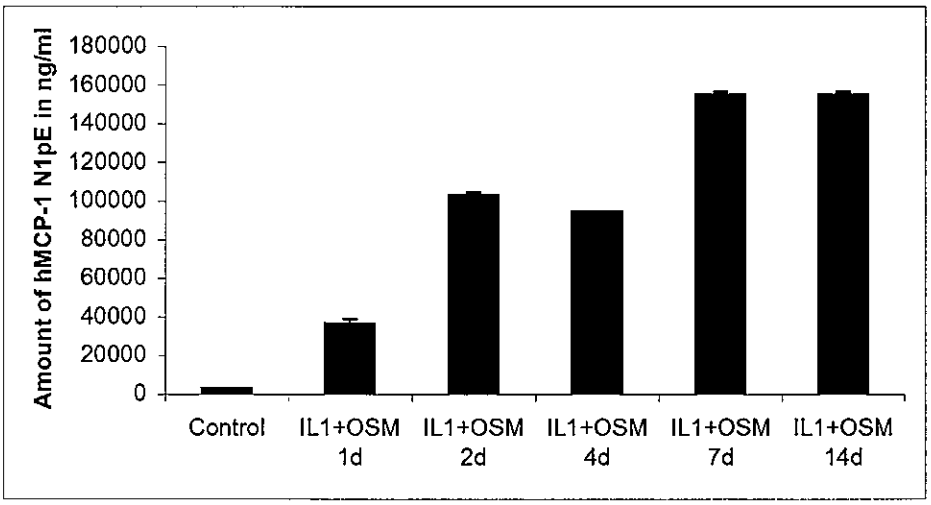

Amount of hMCP-1 N1pE in ng/ml
180000
160000
140000
120000
100000
80000
60000
40000
20000
0
Control
IL1+OSM 1d
IL1+OSM 2d
IL1+OSM 4d
IL1+OSM 7d
IL1+OSM 14d

Figure 7

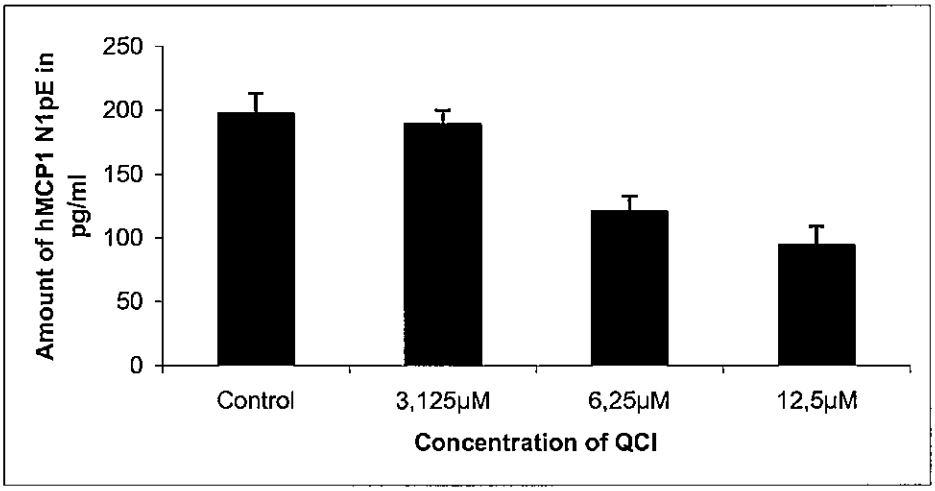

Amount of hMCP1 N1pE in pg/ml
250
200
150
100
50
0
Control
3,125µM
6,25µM
12,5µM
Concentration of QCI

Figure 8

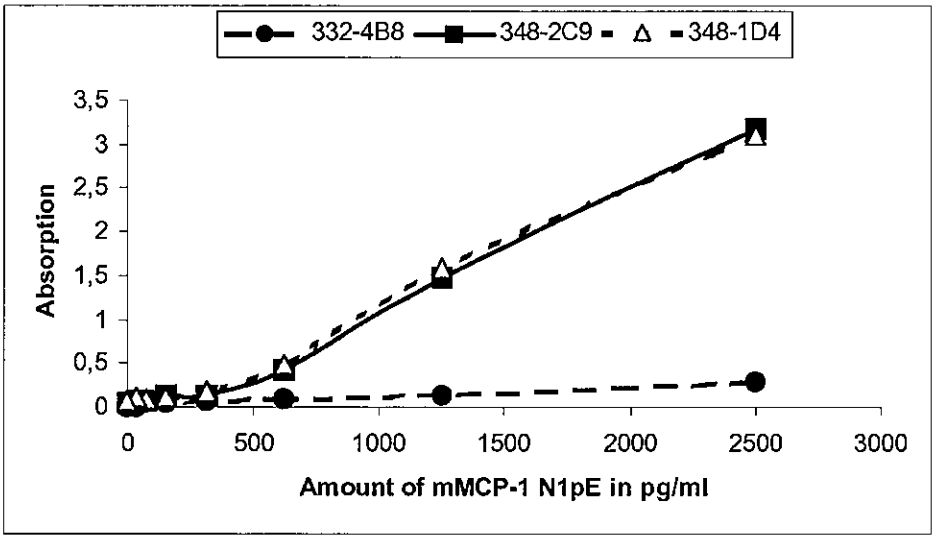

332-4B8
348-2C9
348-1D4
Absorption
3,5
3
2,5
2
1,5
1
0,5
0
0
500
1000
1500
2000
2500
3000
Amount of mMCP-1 N1pE in pg/ml

Figure 9

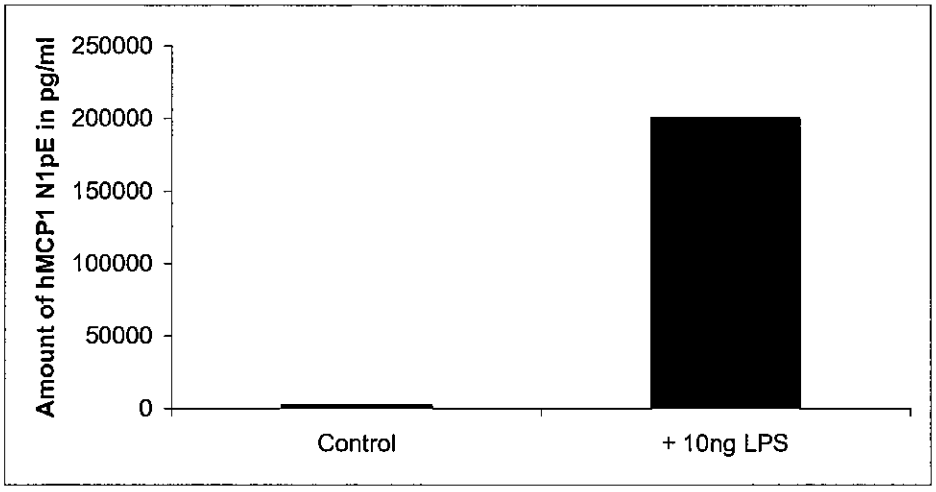

Amount of hMCP1 N1pE in pg/ml
250000
200000
150000
100000
50000
0
Control
+ 10ng LPS

Figure 10

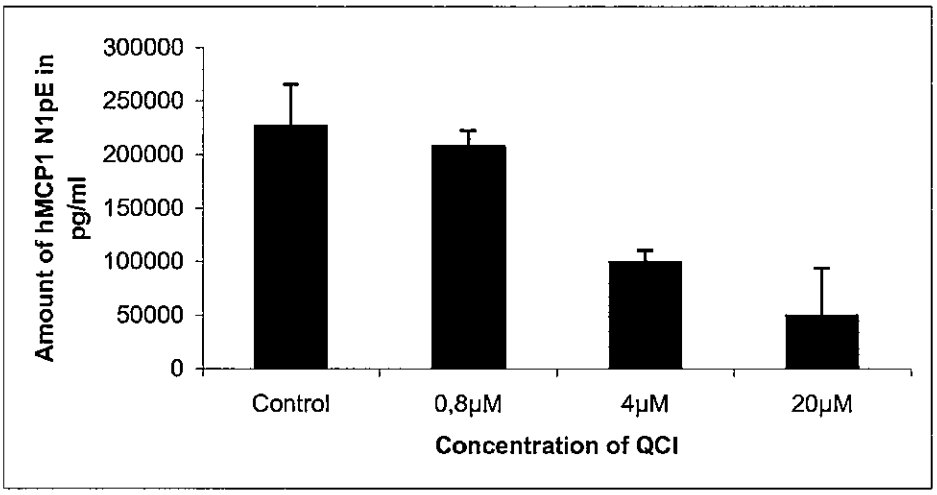

Amount of hMCP1 N1pE in pg/ml
300000
250000
200000
150000
100000
50000
0
Control
0,8µM
4µM
20µM
Concentration of QCI

Figure 11

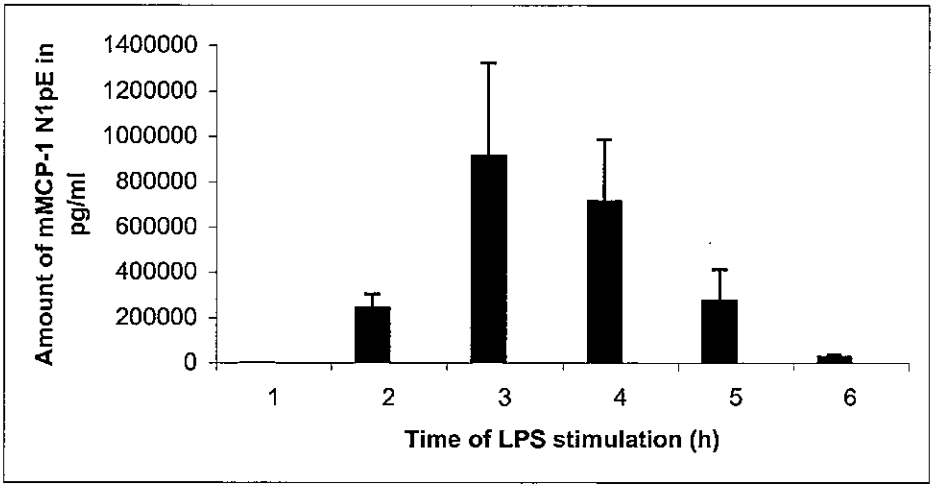

Amount of mMCP-1 N1pE in pg/ml
1400000
1200000
1000000
800000
600000
400000
200000
0
1
2
3
4
5
6
Time of LPS stimulation (h)

Figure 12

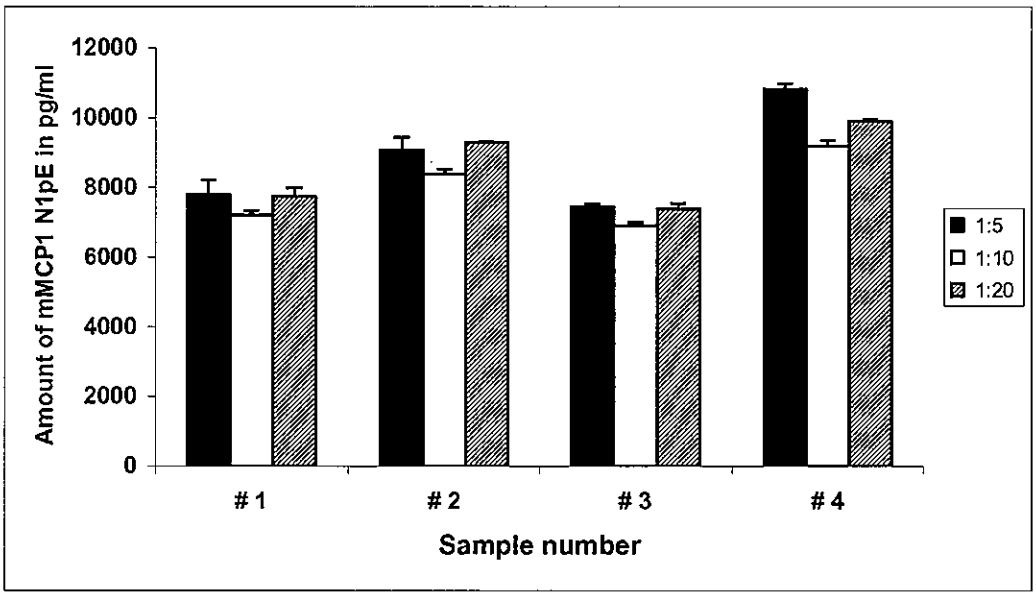

12000
10000
8000
6000
4000
2000
0
Amount of mMCP1 N1pE in pg/ml
1
2
3
4
Sample number
1:5
1:10
1:20

Figure 13

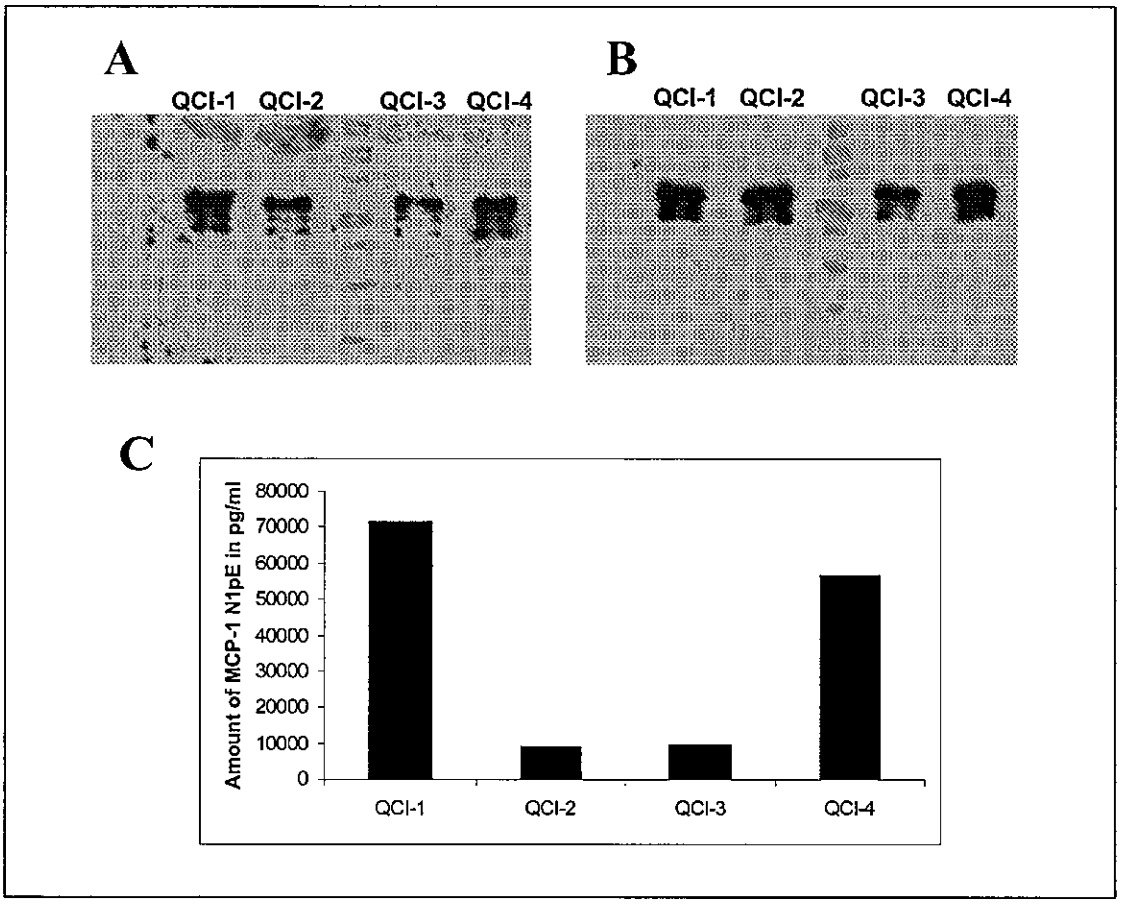

A
QCI-1 QCI-2 QCI-3 QCI-4
B
QCI-1 QCI-2 QCI-3 QCI-4
C
Amount of MCP-1 N1pE in pg/ml
80000
70000
60000
50000
40000
30000
20000
10000
0
QCI-1
QCI-2
QCI-3
QCI-4

Figure 14

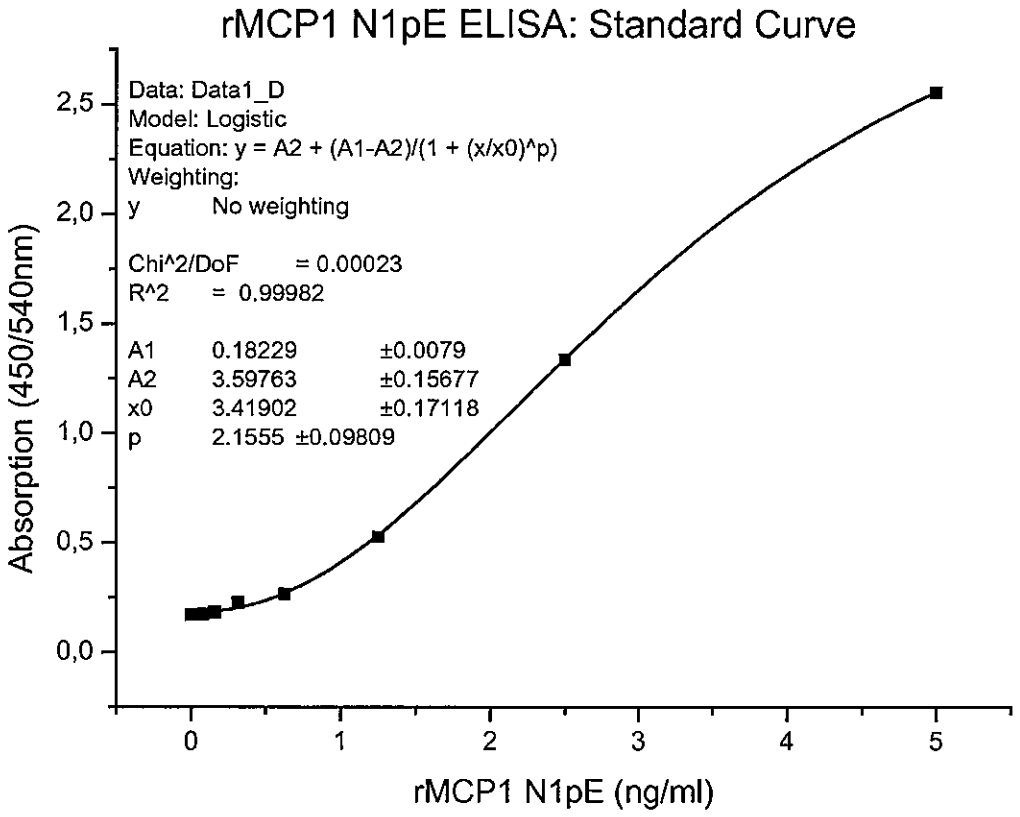

rMCP1 N1pE ELISA: Standard Curve
Data: Data1_D
Model: Logistic
Equation: y = A2 + (A1-A2)/(1 + (x/x0)^p)
Weighting:
y No weighting
Chi^2/DoF = 0.00023
R^2 = 0.99982
A1 0.18229 ±0.0079
A2 3.59763 ±0.15677
x0 3.41902 ±0.17118
p 2.1555 ±0.09809
Absorption (450/540nm)
2,5
2,0
1,5
1,0
0,5
0,0
0
1
2
3
4
5
rMCP1 N1pE (ng/ml)

Figure 15

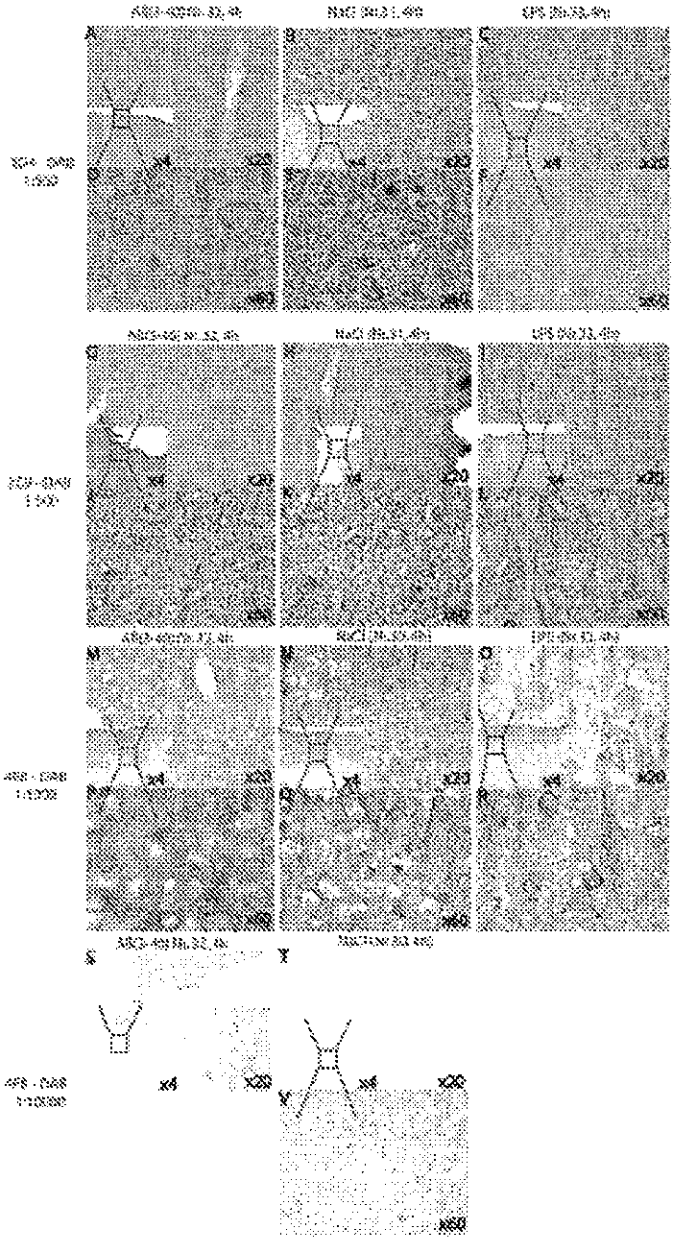
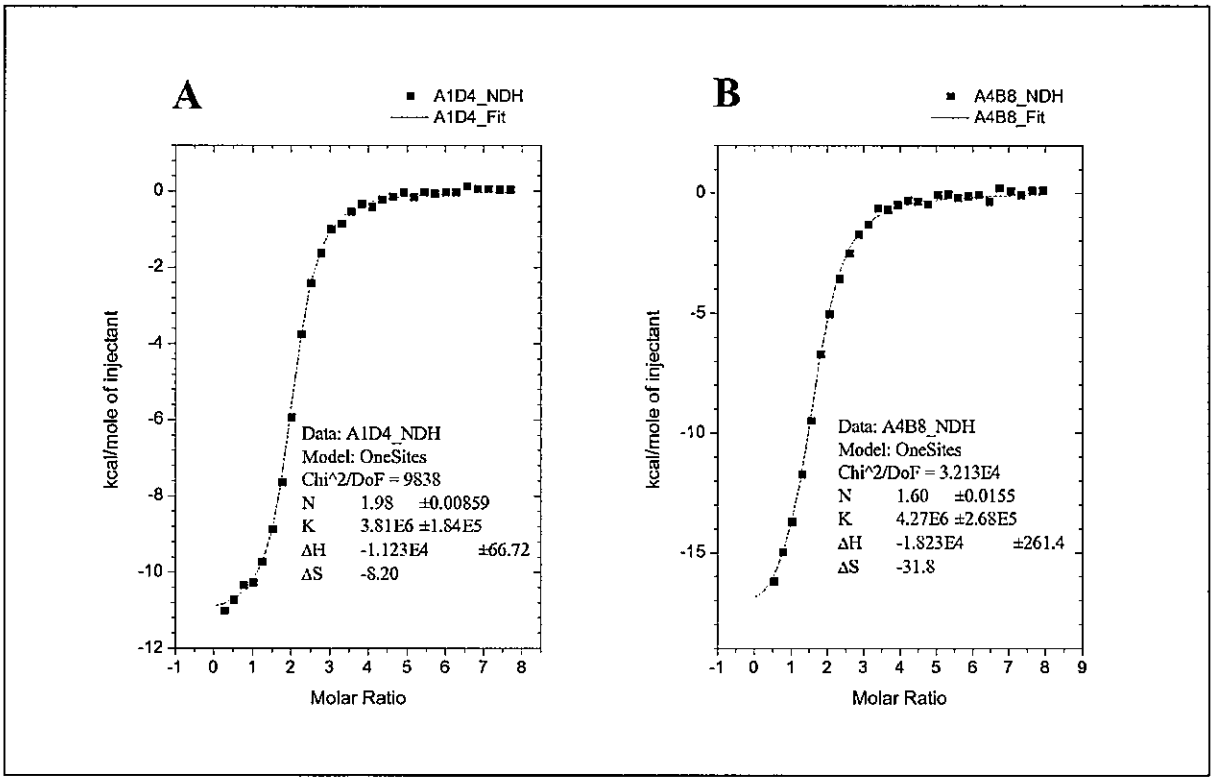


Figure 16


A
A1D4_NDH
A1D4_Fit
kcal/mole of injectant
Molar Ratio
Data: A1D4_NDH
Model: OneSites
Chi^2/DoF = 9838
N 1.98 ±0.00859
K 3.81E6 ±1.84E5
ΔH -1.123E4 ±66.72
ΔS -8.20
B
A4B8_NDH
A4B8_Fit
kcal/mole of injectant
Molar Ratio
Data: A4B8_NDH
Model: OneSites
Chi^2/DoF = 3.213E4
N 1.60 ±0.0155
K 4.27E6 ±2.68E5
ΔH -1.823E4 ±261.4
ΔS -31.8