Figure 1

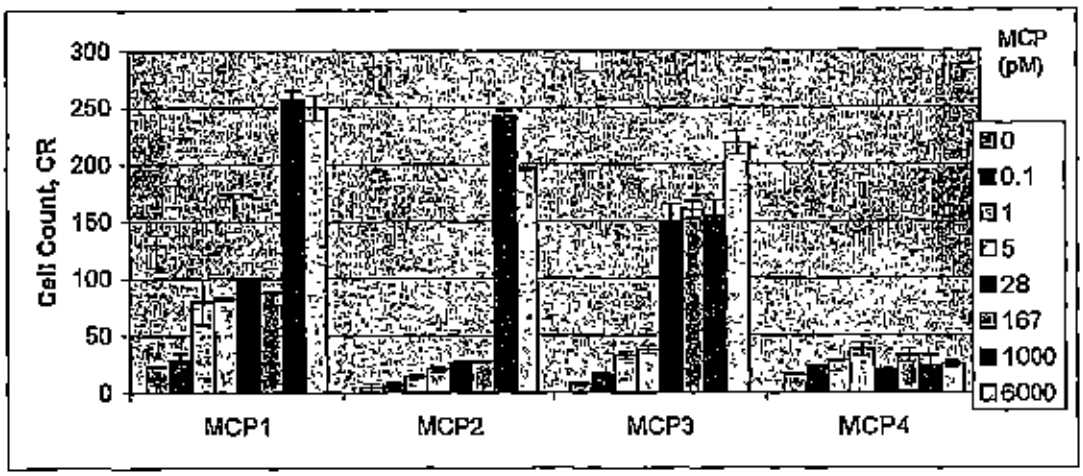

Cell Count, CR
300
250
200
150
100
50
0
MCP1
MCP2
MCP3
MCP4
MCP (pM)
0
0.1
1
5
28
167
1000
6000

Figure 2

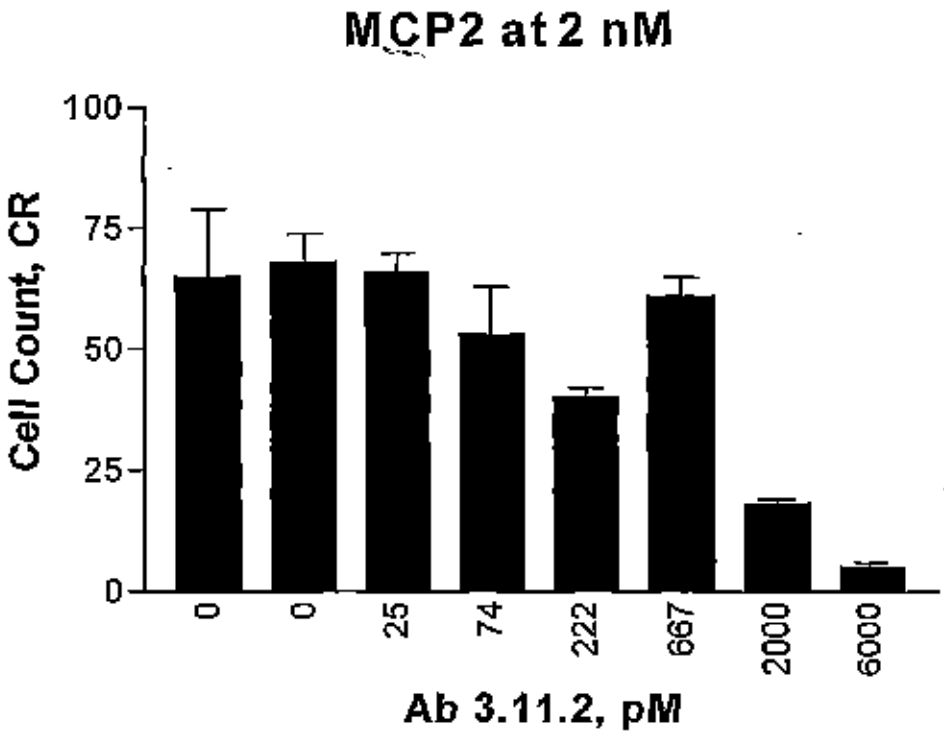

MCP2 at 2 nM
Cell Count, CR
100
75
50
25
0
0
0
25
74
222
667
2000
6000
Ab 3.11.2, pM

Figure 3

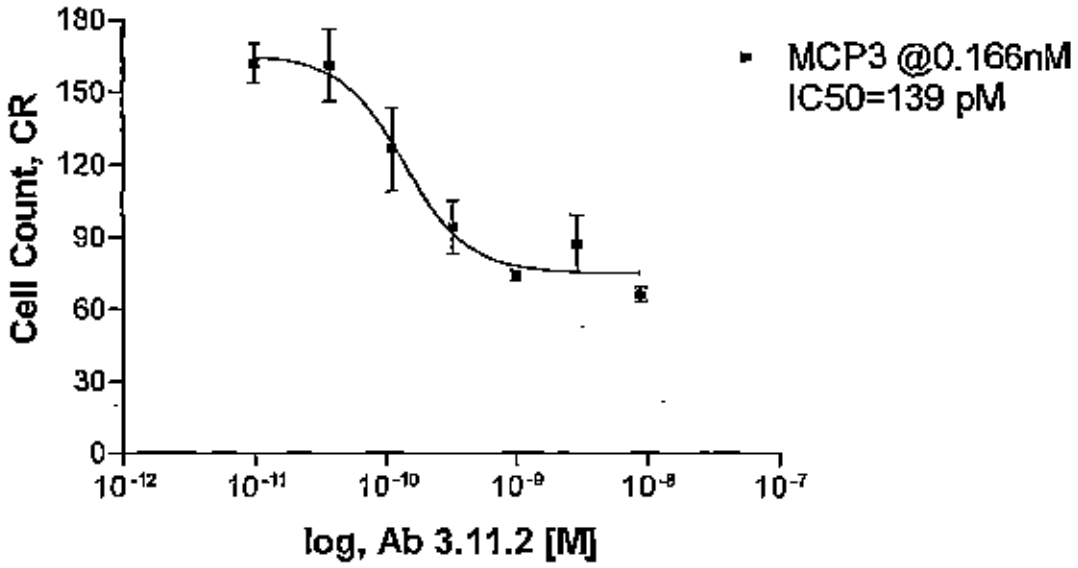

Cell Count, CR
180
150
120
90
60
30
0
10-12
10-11
10-10
10-9
10-8
10-7
log, Ab 3.11.2 [M]
MCP3 @0.166nM
IC50=139 pM

Figure 4

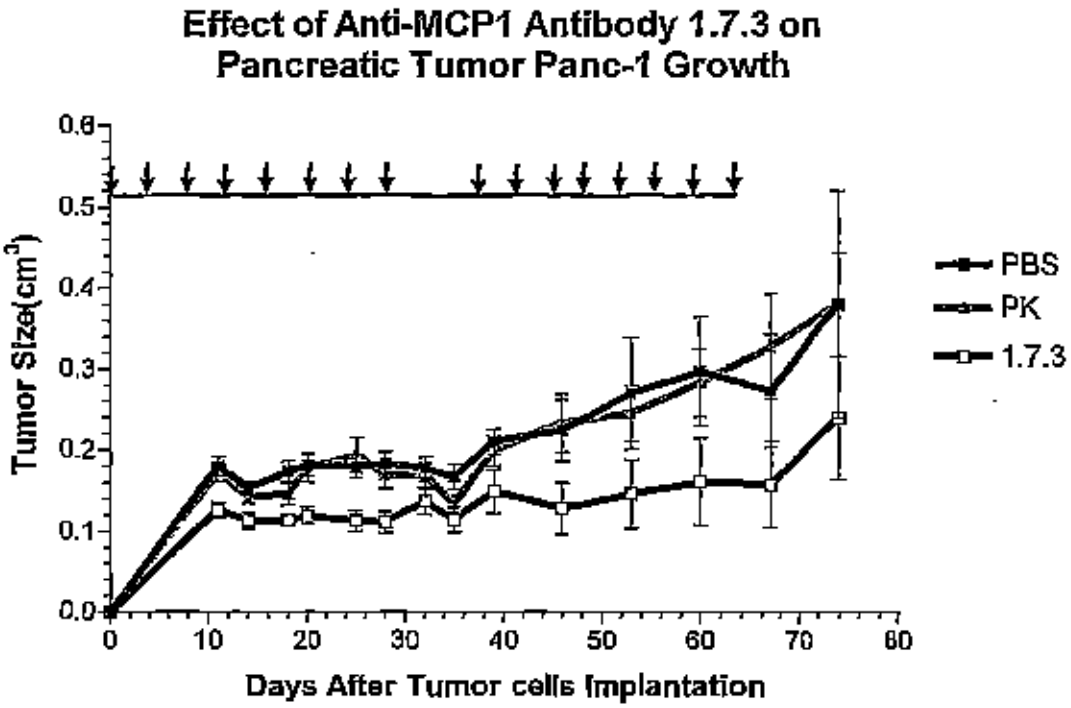

Effect of Anti-MCP1 Antibody 1.7.3 on
Pancreatic Tumor Panc-1 Growth
Tumor Size(cm3)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
10
20
30
40
50
60
70
80
Days After Tumor cells Implantation
PBS
PK
1.7.3

Figure 5

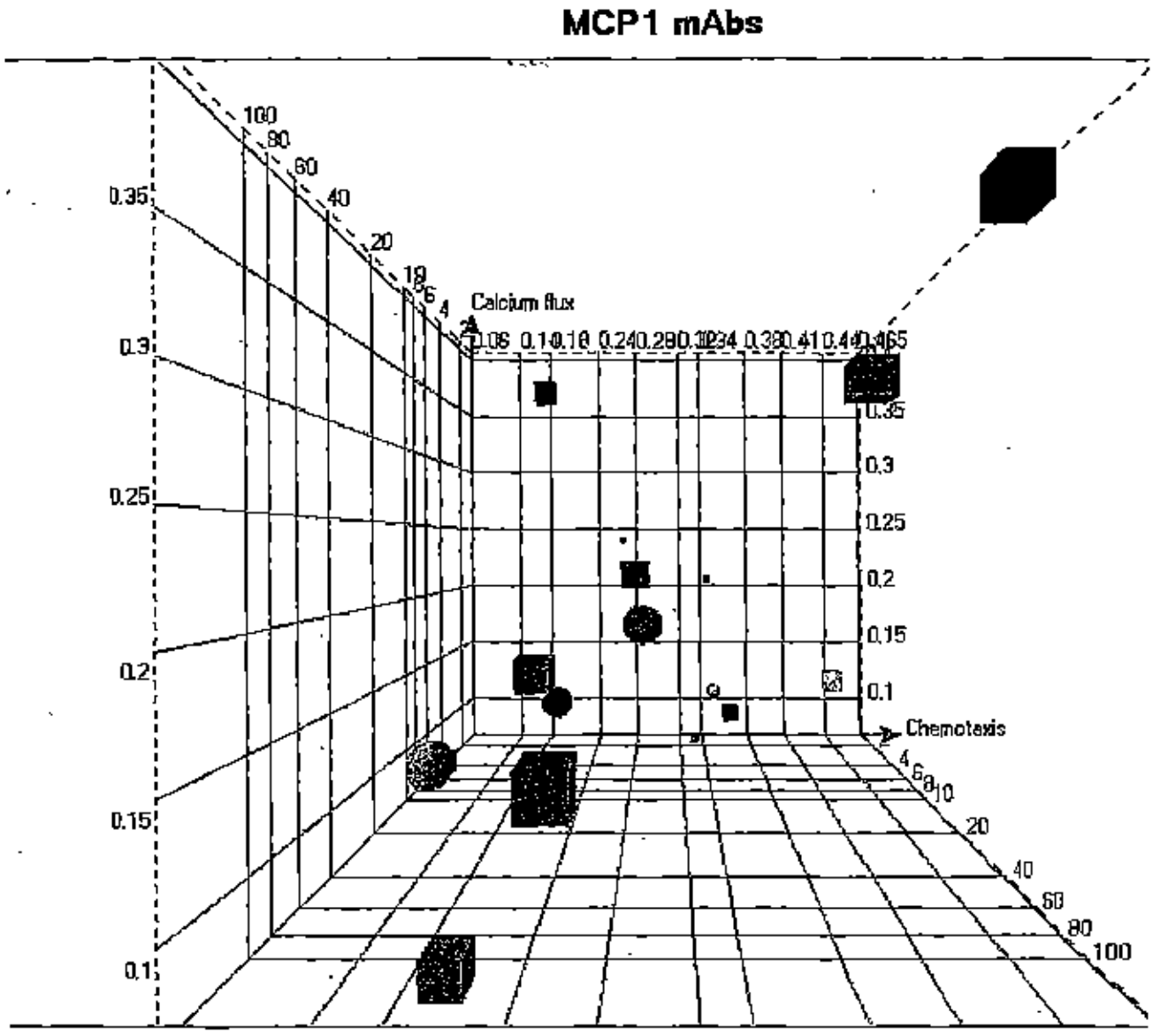

MCP1 mAbs
Calcium flux
Chemotaxis
0.35
0.3
0.25
0.2
0.15
0.1
100
80
60
40
20
10
6
4
2
0.06
0.1
0.16
0.24
0.28
0.34
0.38
0.41
0.44
0.465

Figure 6

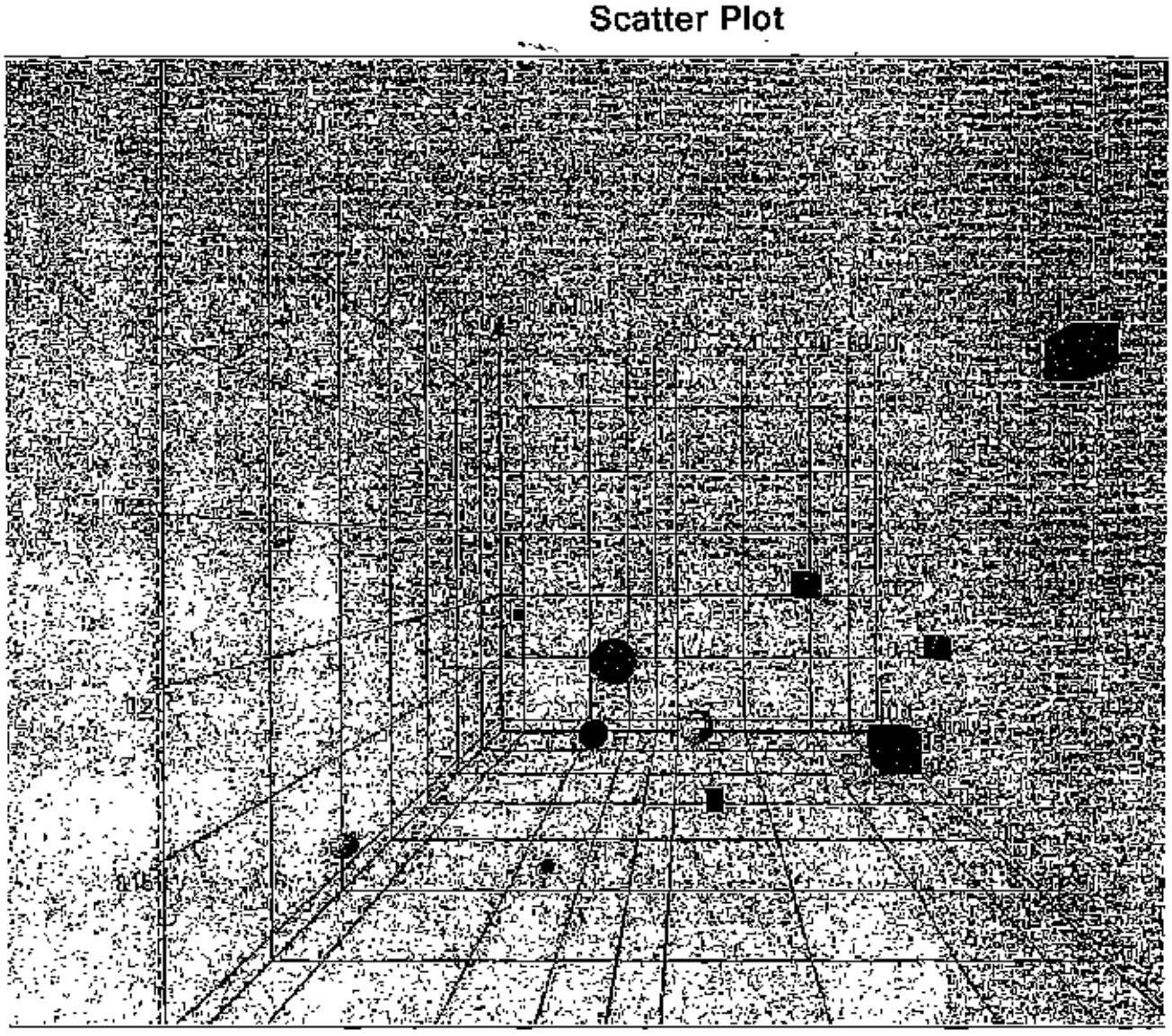


Figure 7A

Alignment of sequences using VH1-24

CDR1 CDR2

```
VH1-24          QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-1.1.1_HC   QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGNGLEWMGGFDPEDGETIY
MCP1-1.10_HC    QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-1.11_HC    QVQVVQSGAEVKNPGASVKVSCKVSGSTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-1.12_HC    QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-1.13_HC    QVQLVQSGAEVKKPGASVKVSCKVSGHTLTELSMHWVRQAPGKGLEWMGGFDPEDDETIY
MCP1-1.18_HC    QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-1.2_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTFTELSMHWVRQAPGKGLEWMGGFDPEDGETSY
MCP1-1.3_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRRIPGKGLEWMGGFDPEDGETIY
MCP1-1.5.1_HC   QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDDETIY
MCP1-1.6_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-1.7_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-1.8_HC     QVQLVQSGAEVKKPGASVKVSCKVSGHIFTELSIHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-1.9_HC     QVQLVQSGAEVKKPGASVRVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIN
MCP1-2.3_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDDETIY
MCP1-3.10_HC    QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-3.15_HC    QVQLVQSGAEVKKPGASVQVSCKVSGDTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-3.16_HC    QVQLVQSGAEVKKPGASVKVSCKVSGYTLTDLSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-3.2_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLSELSMHWVRQAPGKGLEWMGGFDPEDGEIIH
MCP1-3.4_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETMY
MCP1-3.5_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLSELSMHWVRQAPGKGLEWMGGFDPEDDETIY
MCP1-3.6_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-3.7_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQTPGKGLEWMGGFDPEDGETIY
MCP1-3.8_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPENGETIH
MCP1-4.5_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-4.6.3_HC   QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-4.7_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-5.3_HC     QVQLVQSGAEVKKPGASVKVSCKVSGYTLSELSMHWVRQAPGKGLEWMGGFDPEDGETIY
MCP1-4.8.1_HC   QVQLVQSGAEVKKPGASVKVSCKVSGYTLTELSMHWVRQAPGKGLEWMGGFDPEDGETIY
```

Figure 7A (cont.)

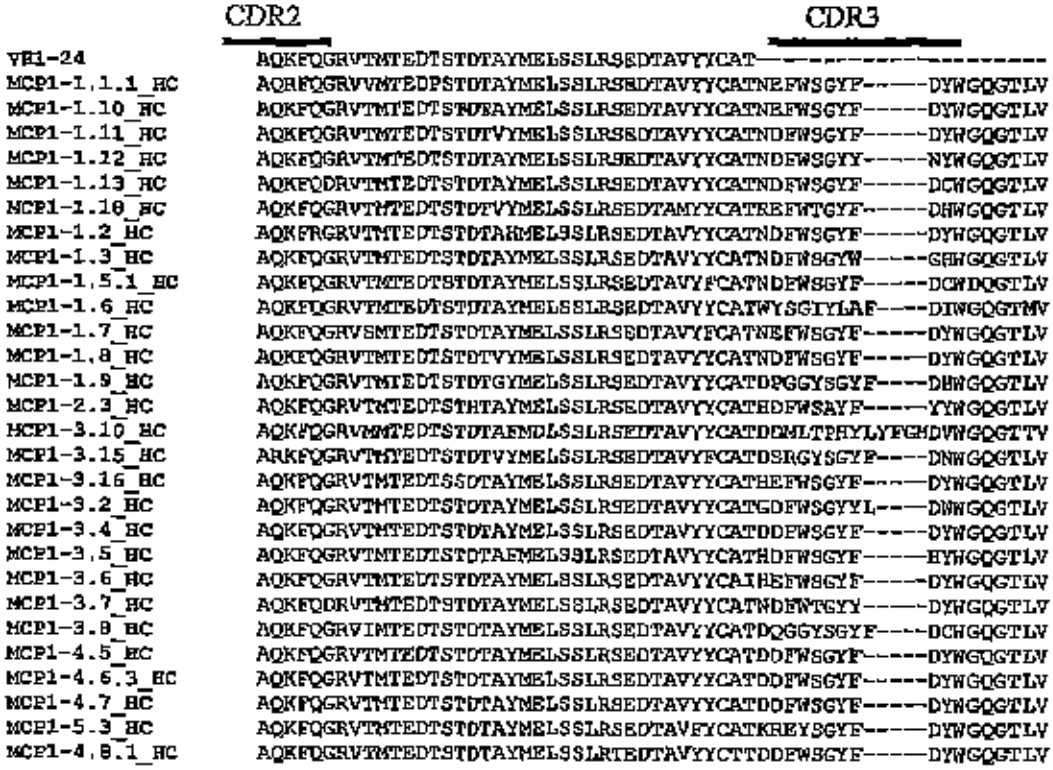


Figure 7A (cont.)

VH1-24	---
MCP1-1.1.1_HC	VSS
MCP1-1.10_HC	VSS
MCP1-1.11_HC	VSS
MCP1-1.12_HC	VSS
MCP1-1.13_HC	VSS
MCP1-1.18_HC	VSS
MCP1-1.2_HC	VSS
MCP1-1.3_HC	VSS
MCP1-1.5.1_HC	VSS
MCP1-1.6_HC	VSS
MCP1-1.7_HC	VSS
MCP1-1.8_HC	VSS
MCP1-1.9_HC	VSS
MCP1-2.3_HC	VSS
MCP1-3.10_HC	VSS
MCP1-3.15_HC	VSS
MCP1-3.16_HC	VSS
MCP1-3.2_HC	VSS
MCP1-3.4_HC	VSS
MCP1-3.5_HC	VSS
MCP1-3.6_HC	VSS
MCP1-3.7_HC	VSS
MCP1-3.8_HC	VSS
MCP1-4.5_HC	VSS
MCP1-4.6.3_HC	VSS
MCP1-4.7_HC	VSS
MCP1-5.3_HC	VSS
MCP1-4.8.1_HC	VSS

Figure 7B

Dendrogram:

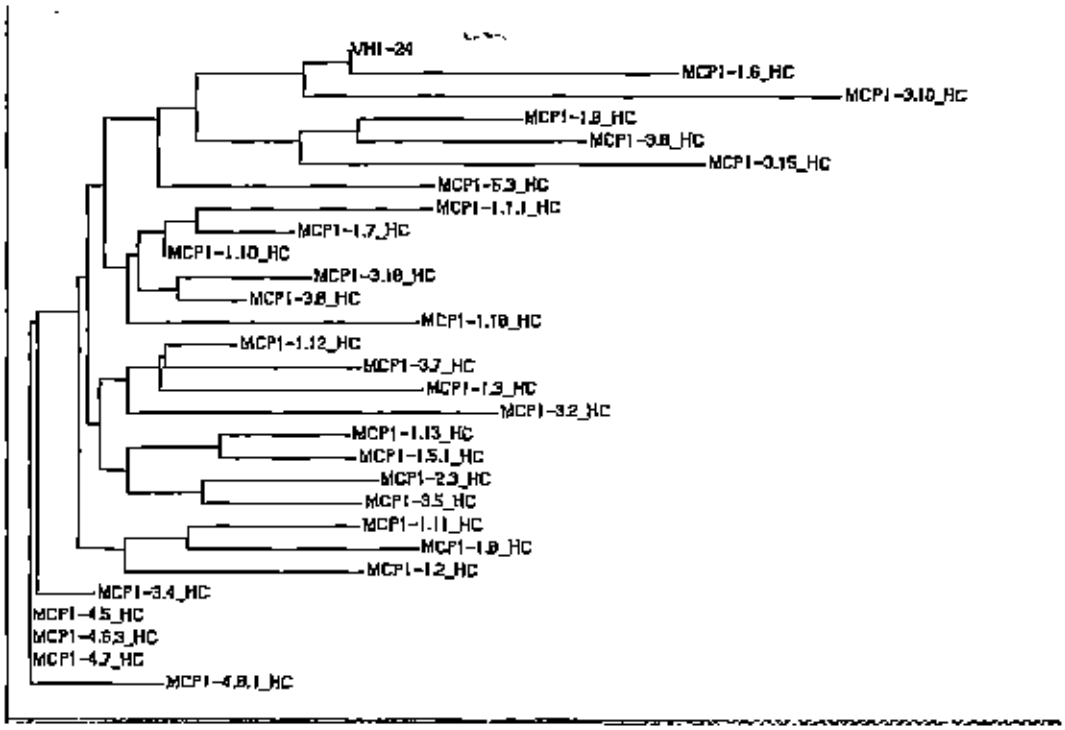


Figure 8A

Alignment of sequences using VK-B3

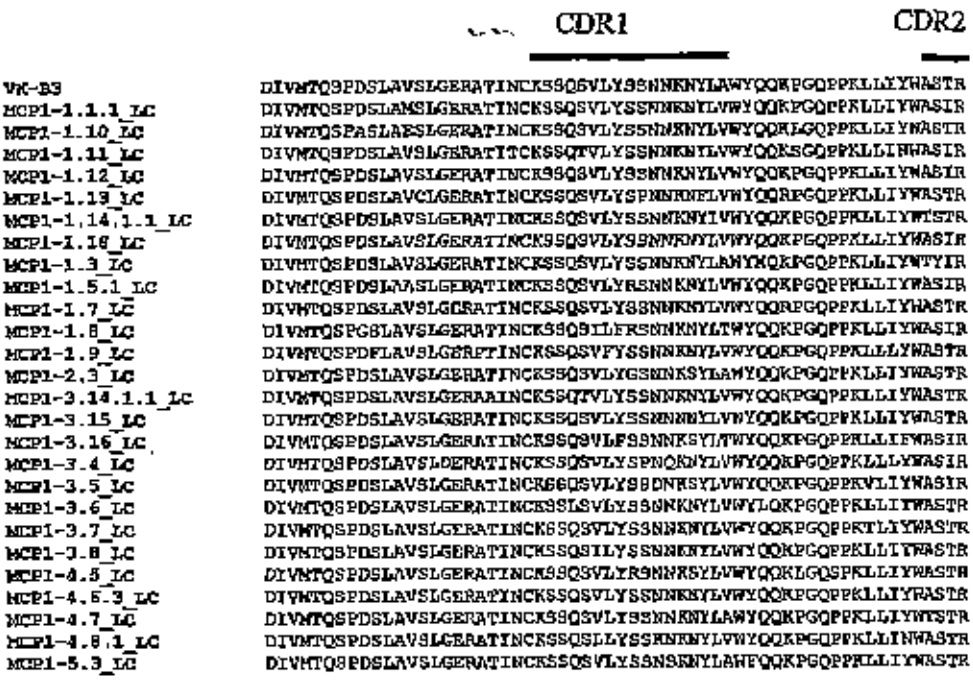


Figure 8A (cont.)

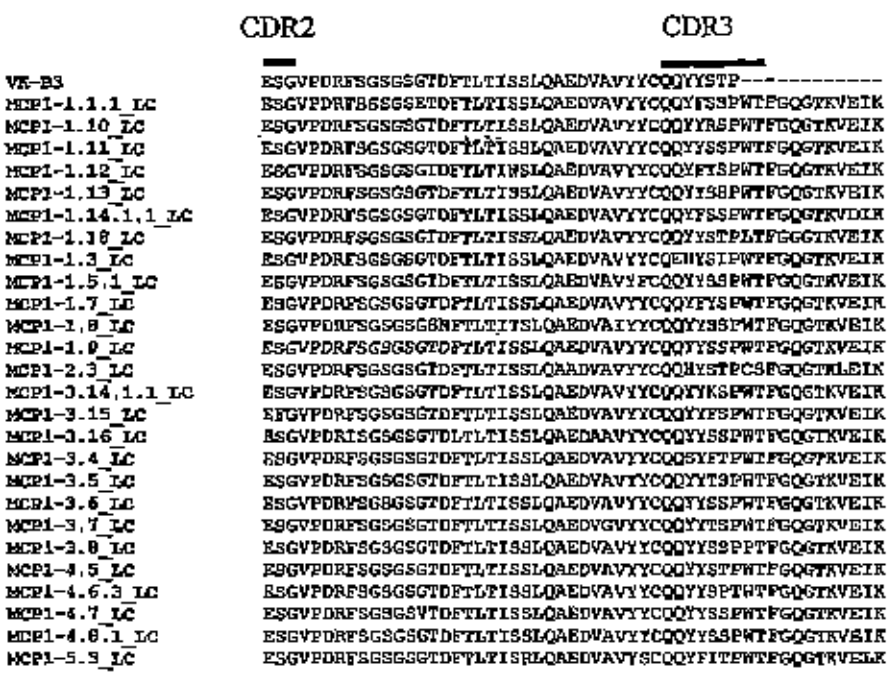


Figure 8B

Dendrogram:

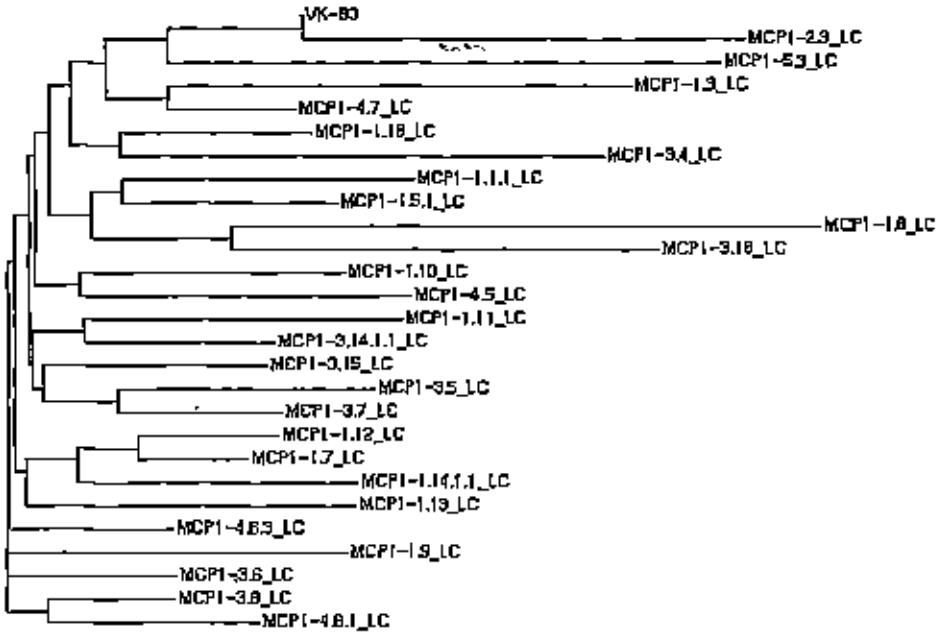


Figure 9A

Alignment of sequences using VK-O8

```
                                        CDR1                    CDR2
VK-O8           DIQMTQSPSSLSASVGDRVTITCQASQDISNYLNWYQQKPGKAPKLLIYDASNLETGVPS
MCP1-2.4_LC     DIQMTQSPSSLSASVGDRVTITCQASQDITTYLNWYQQKPGKAPKLLIYDASNLETGVPS
MCP1-3.11_LC    DIQMTQSPSSLSASVGDRVTITCQASQDISNYLNWYQQKPGKAPKLLIYDASNLETGVPS
                ********************************:.:*****************************

                                        CDR3
VK-O8           RFSGSGSGTDFTFTISSLQPEDIATYYCQQYDNLP----------
MCP1-2.4_LC     RFSGSGSGTDFTFTISSLQPEDIATYYCQQYDNLPITFGQGTRLEIK
MCP1-3.11_LC    RFSGSGSGTDFTFTINSLQPEDIATYYCQEYNNLPYSFGQGTKLEIK
                ***************^*************:*:***
```

Figure 9B

Dendrogram:

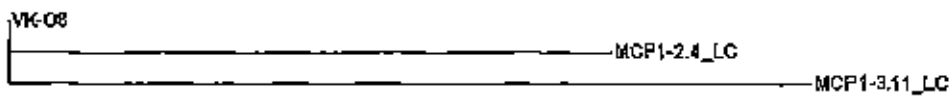


Figure 10A

Alignment of sequences using VH6-1

```
                                        CDR1                    CDR2
VH6-1                   QVQLQQSGPGLVKPSQTLSLTCAISGDSVSSNSAAWNWIRQSPSRGLEWLGRTYYRSKWY
MCP1-1.4.1.1_HC         QVQAEQSGPGLVKPSQTLSLTCAISGDSVSSNSAAWNWIRQSPSRGLEWLGRTYYRSKWY
MCP1-1.14.1.1_HC        QVQAEQSGPGLVKPSQTLSLTCAISGDSVSSYSAAWNWIRQSPSRGLEWLGRTYYRSKWY
MCP1-3.14.1.1_HC        QVQAEQSGPGLVKPSQTLSLTCAISGDSVSSNSAAWNWIRQSPSRGLEWLGRTYYRSKWY

                        CDR2                            CDR3
VH6-1                   NDYAVSVKSRITINPDTSKNQFSLQLNSVTPEDTAVYYCAR----------------
MCP1-1.4.1.1_HC         SDHAVSVRSRITIYPDTSKNQFSLQLNSVTPEDTAVYYCARDRISGTYVGMDVWGQGTTV
MCP1-1.14.1.1_HC        SDHAVSVRSRITIYPDTSKNQFSLQLNSVTPEDTAVYYCARDRISGTYVGMDVWGQGTTV
MCP1-3.14.1.1_HC        SDHAVSVRSRITIYPDTSKNQFSLQLNSVTPEDTAVYYCARDRISGTYVGMDVWGQGTTV

VH6-1                   ---
MCP1-1.4.1.1_HC         VSS
MCP1-1.14.1.1_HC        VSS
MCP1-3.14.1.1_HC        VSS
```

Figure 10B

Dendrogram:

