```
SEQ ID No: 11       EVQLVESGGGLVKPGGSLRLSCAASGFTFSNAWMSWVRQAPGKGLEWVGRIKSKTDGGTT
SEQ ID No: 1        EVQLVESGGGLVKPGGSLRLSCAASGFTYSNAWMSWVRQAPGKGLEWVGRIKSKTDGGTT
SEQ ID No: 12       ------------------------------------------------------------
                    ****************************:****************************

SEQ ID No: 11       DYAAPVKGRFTISRDDSKNTLYLQMNSLKTEDTAVYYCTTTTVT---------------
SEQ ID No: 1        DYAAPVQGRFTISRDDSKNTLYLQMNSLKTEDTAVYYCTIFGVVSFDYWGQGTLVTVSS
SEQ ID No: 12       -------------------------------------------YFDYWGQGTLVTVSS
                    ******:********************************     **************
```

**FIGURE 1**

```
SEQ ID No: 2        DVQMTQSPSSLSASVGDRVTITCRASQSISDYLSWYQQRPGKAPNLLIYAASNLKTGVPS
SEQ ID No: 13       DIQMTQSPSSLSASVGDRVTITCRASQSISSYLNWYQQKPGKAPKLLIYAASSLQSGVPS
SEQ ID No: 14       ------------------------------------------------------------
                    *:*************************** ** ****:*****:******* *: ****

SEQ ID No: 2        RFSGSGSGTDFTLTISTLQPEDFATYYCQQSYRSPWTFGQGTKVEIKR
SEQ ID No: 13       RFSGSGSGTDFTLTISSLQPEDFATYYCQQSYS----------------
SEQ ID No: 14       ----------------------------------WTFGQGTKVEIKR
                    ****************:***************   *************
```

**FIGURE 2**

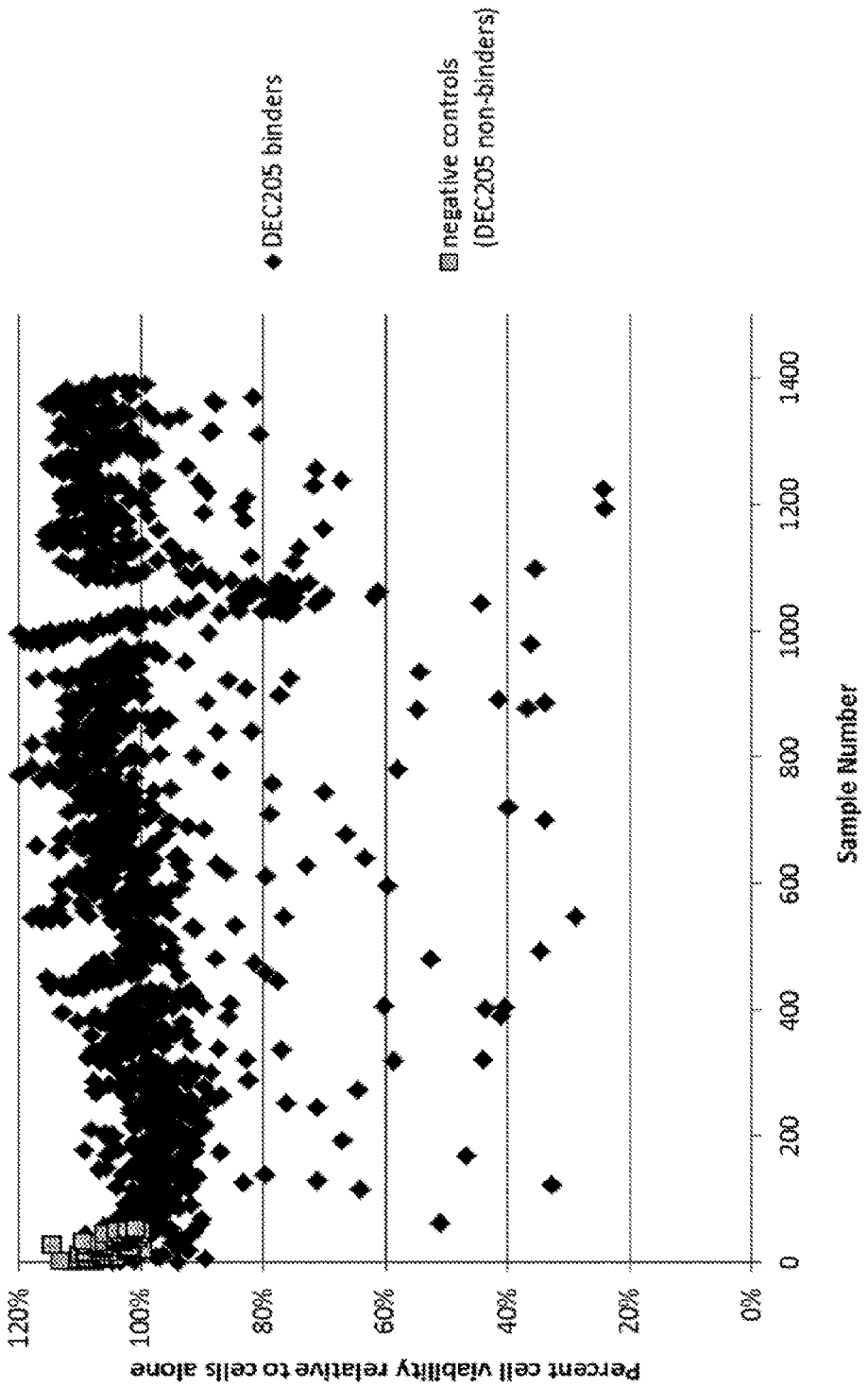

DEC205 binders
negative controls (DEC205 non-binders)
Percent cell viability relative to cells alone
120%
100%
80%
60%
40%
20%
0%
0
200
400
600
800
1000
1200
1400
Sample Number

**Figure 3a**

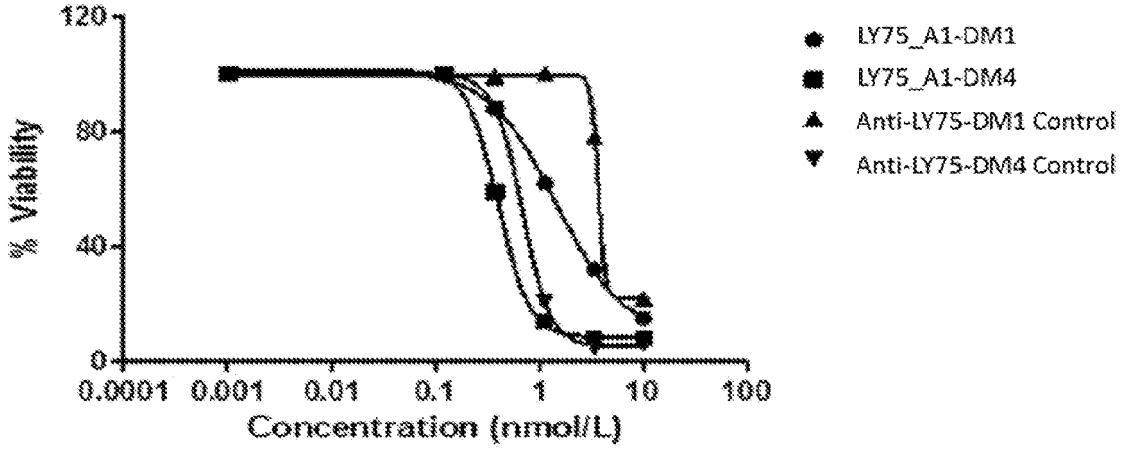



**Figure 3b**

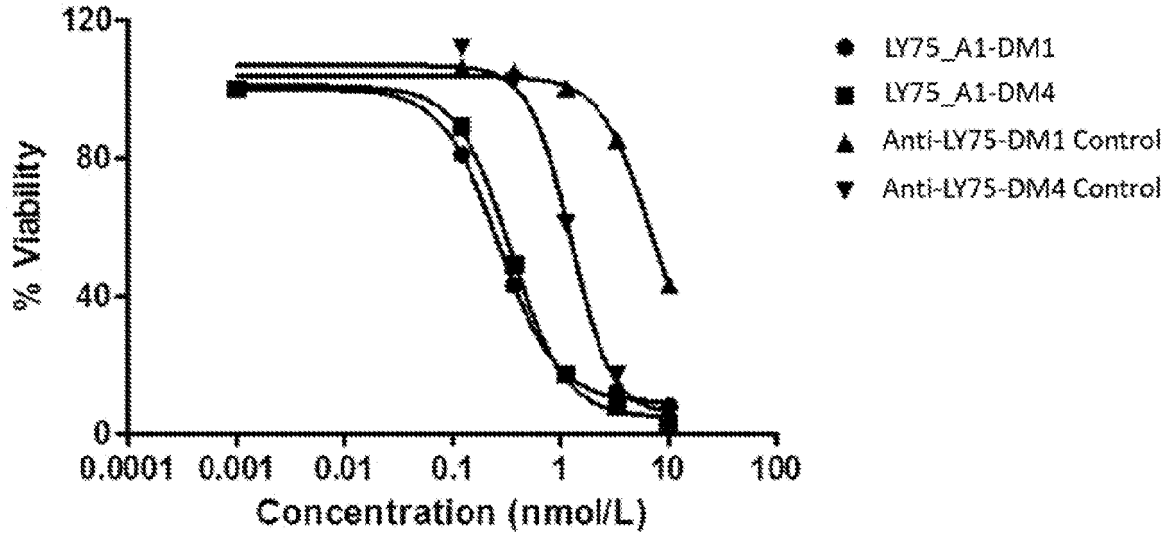



**Figure 3c**

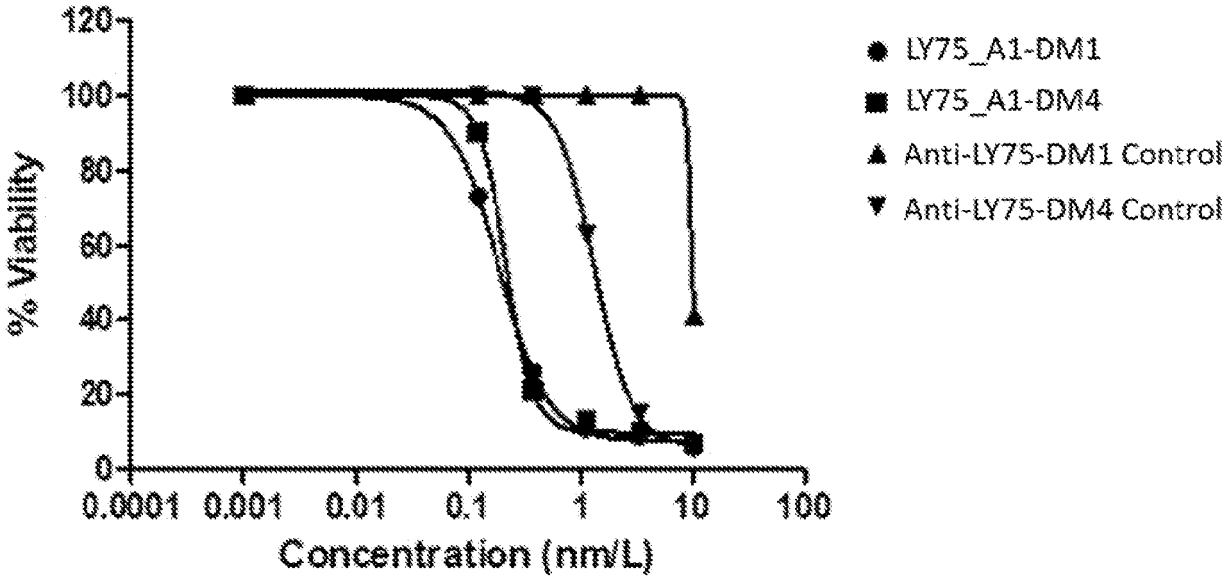



**Figure 3d**

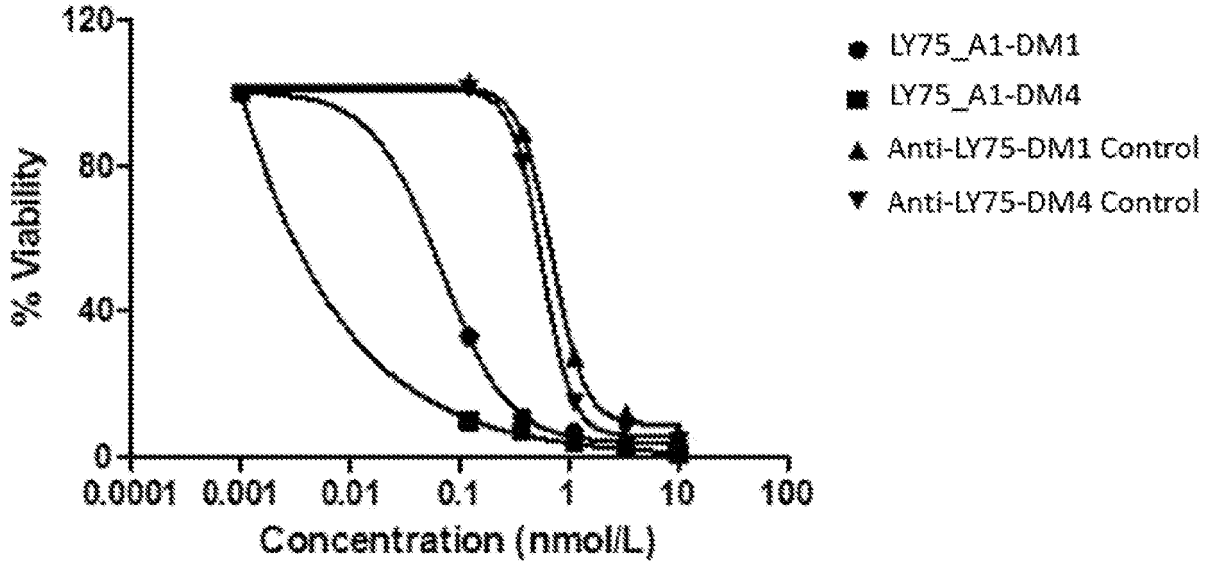



**Figure 3e**

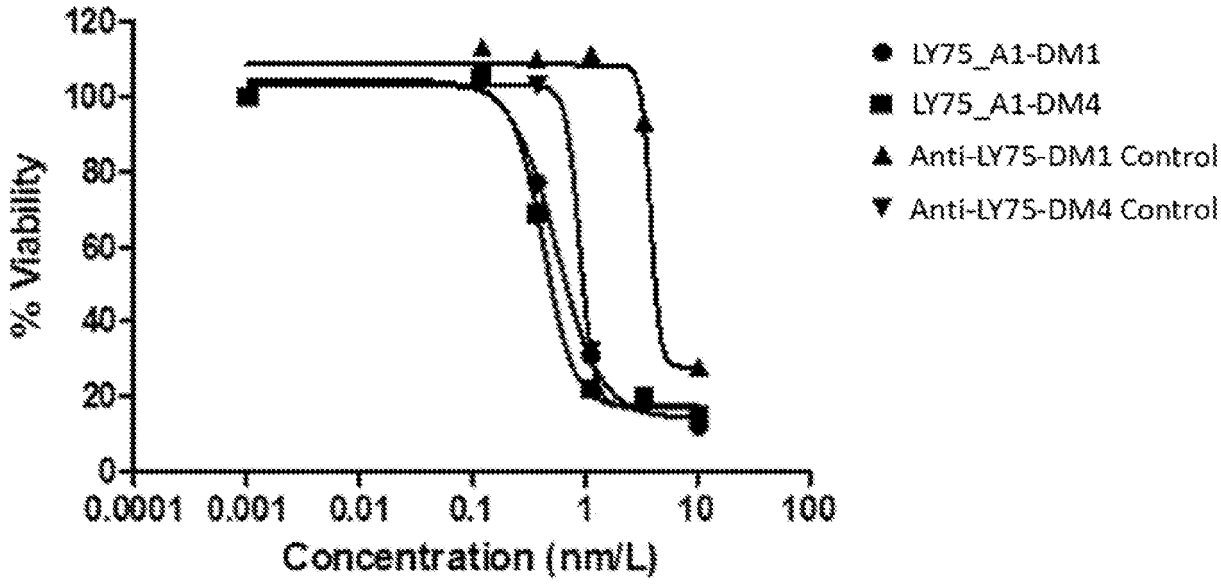



**Figure 3f**

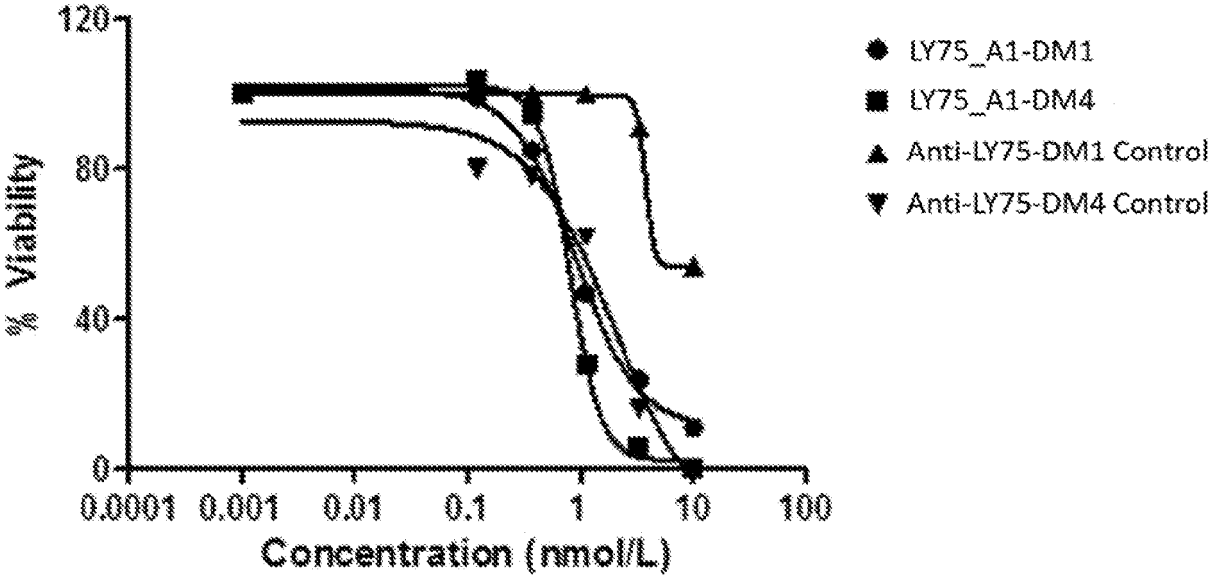



**Figure 3g**

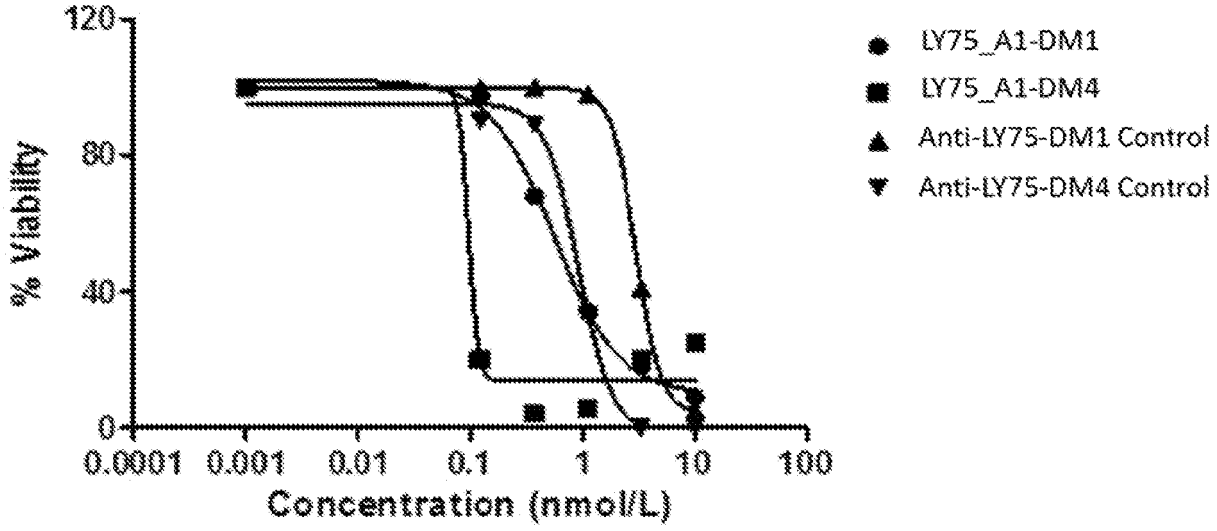



**Figure 3h**

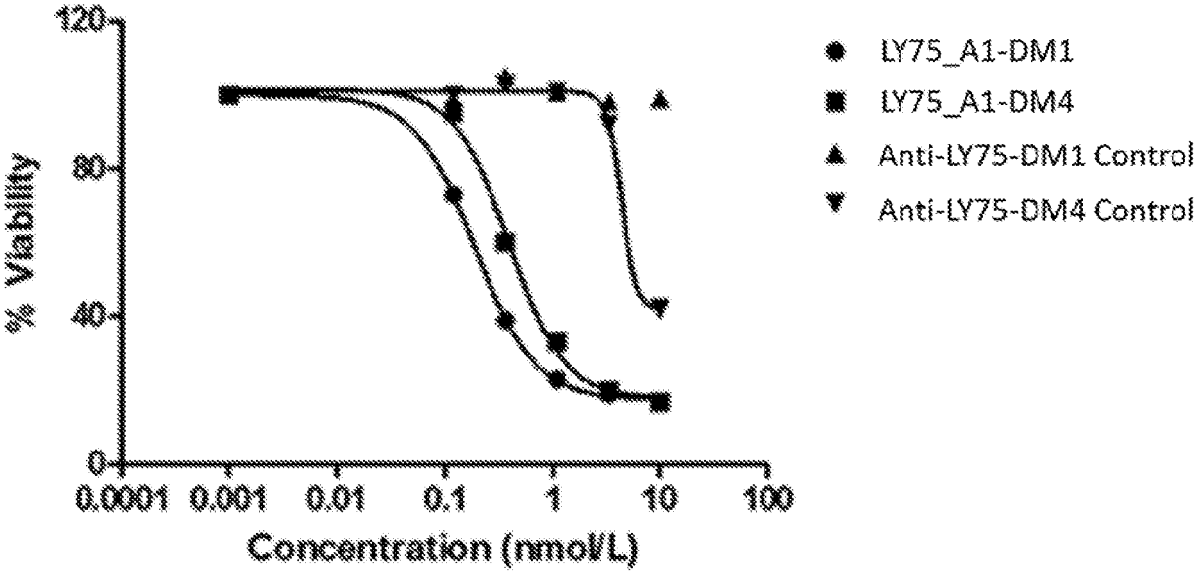



**Figure 3i**

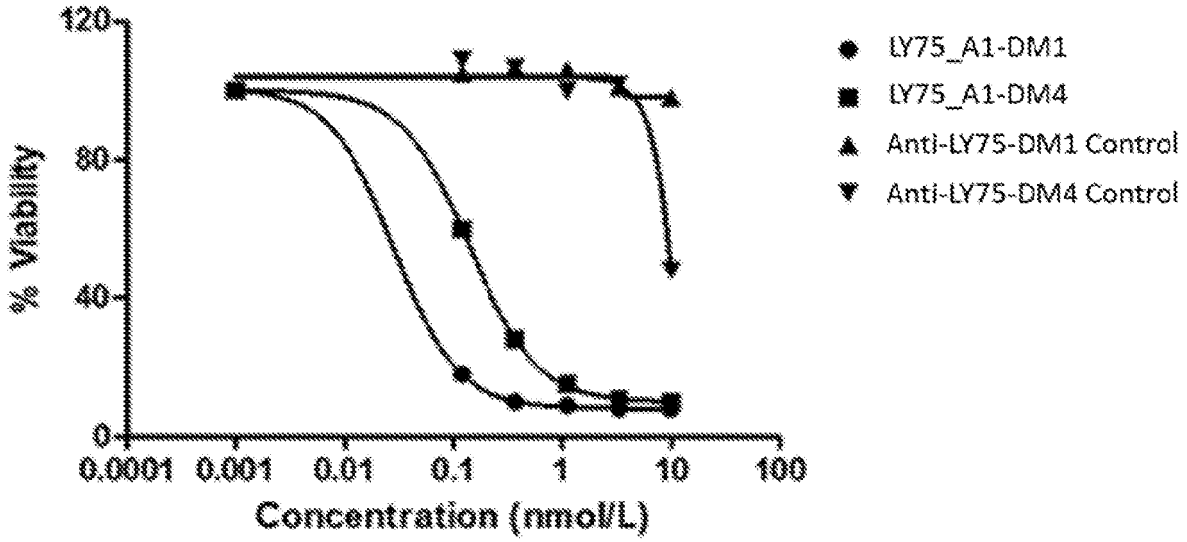



**Figure 3j**

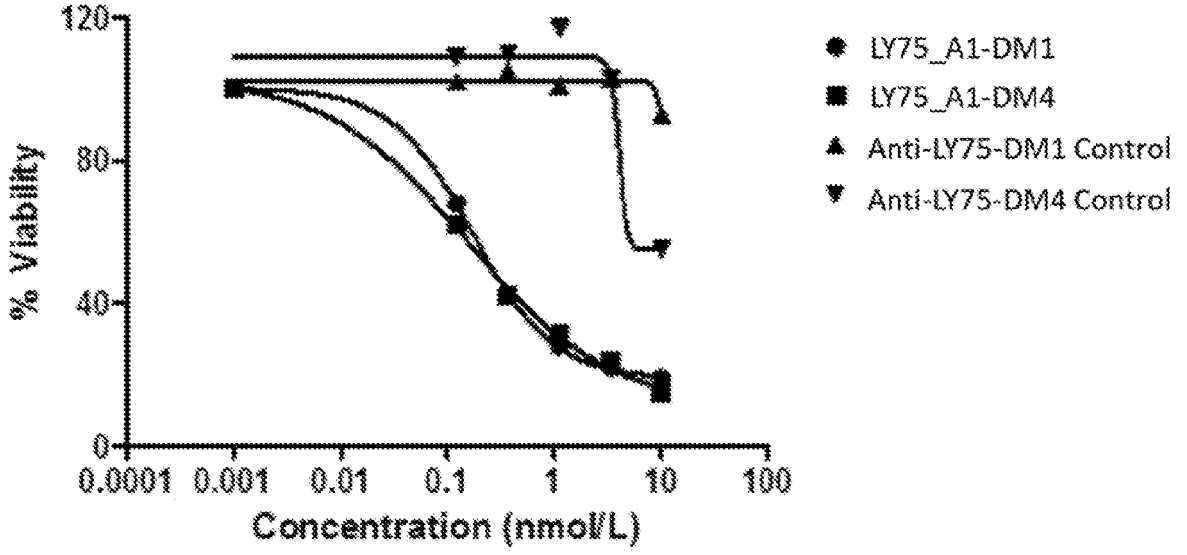



**Figure 3k**

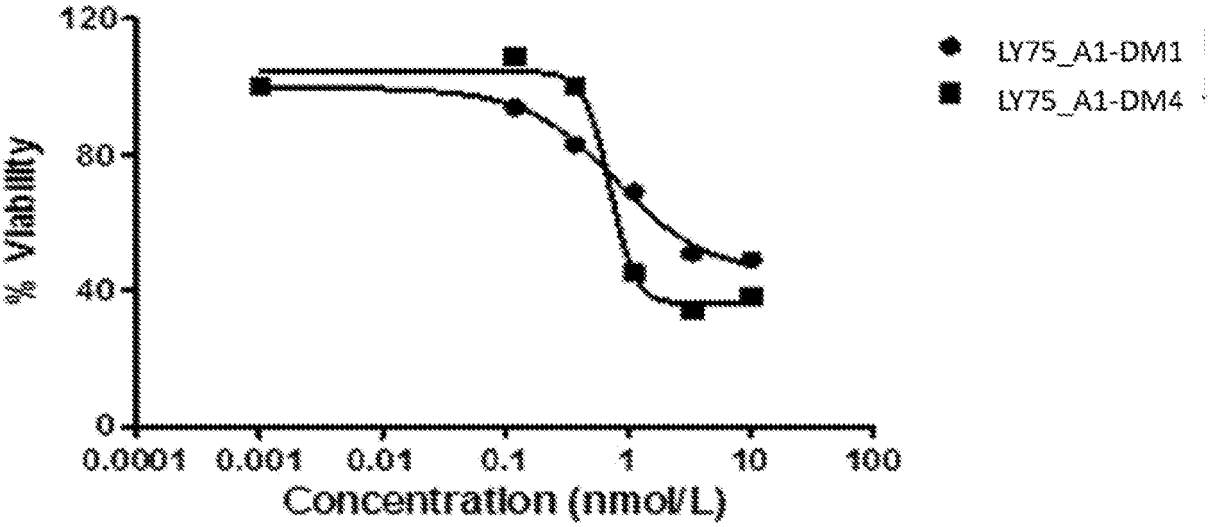



**Figure 3l**

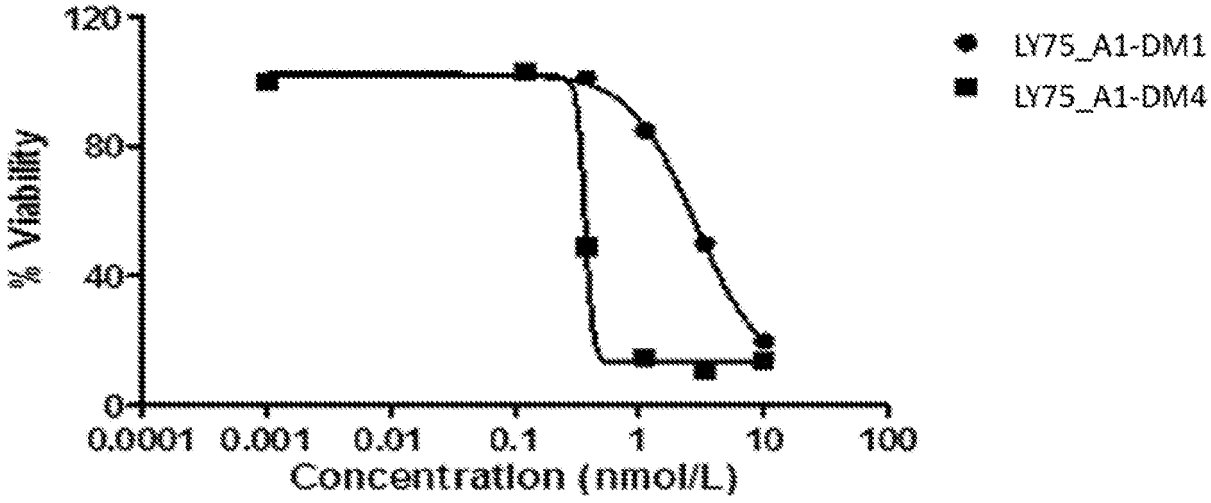



**Figure 3m**

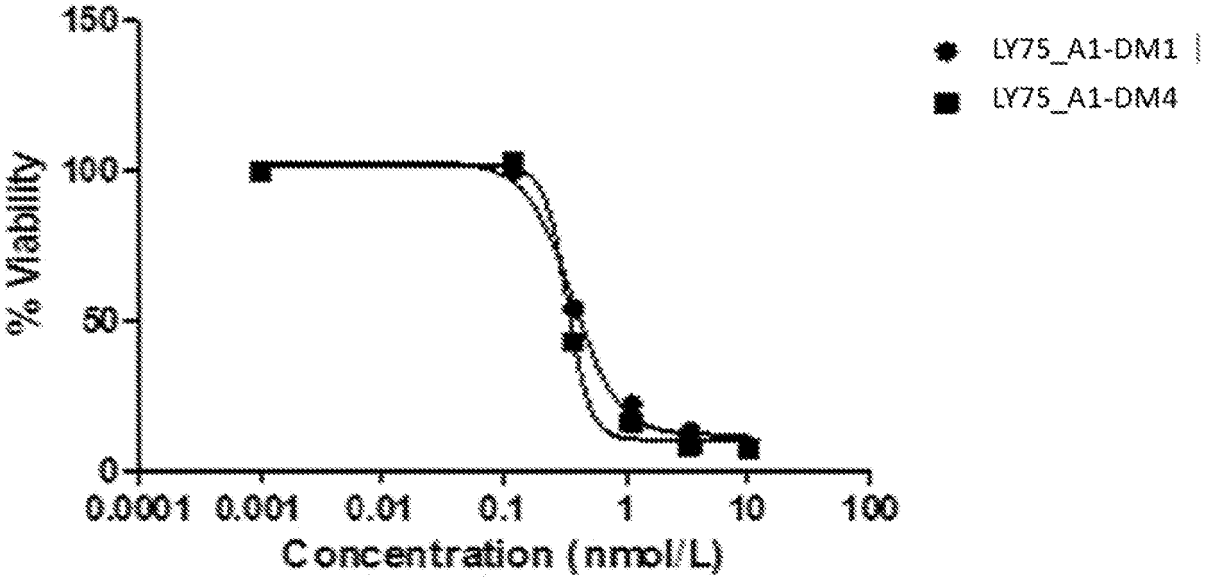



**Figure 3n**

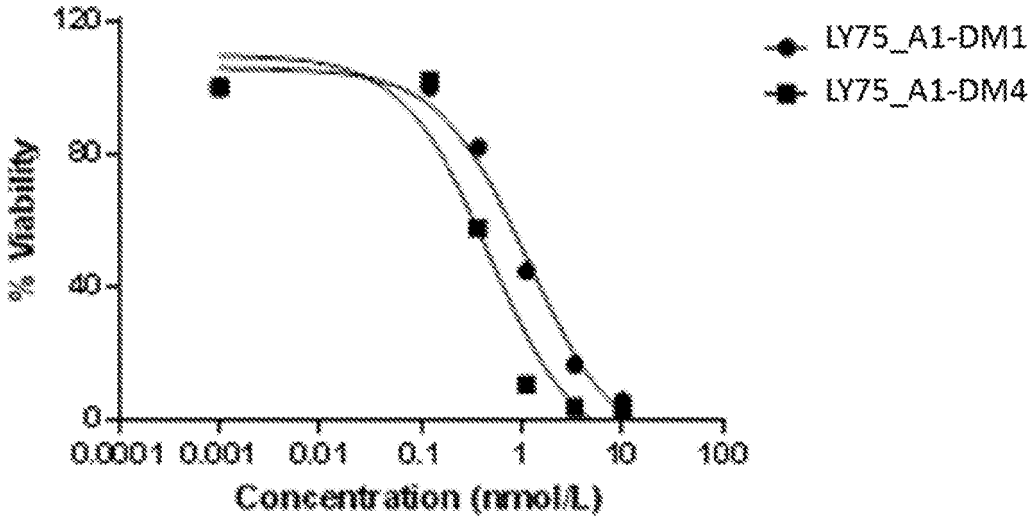



**Figure 3o**

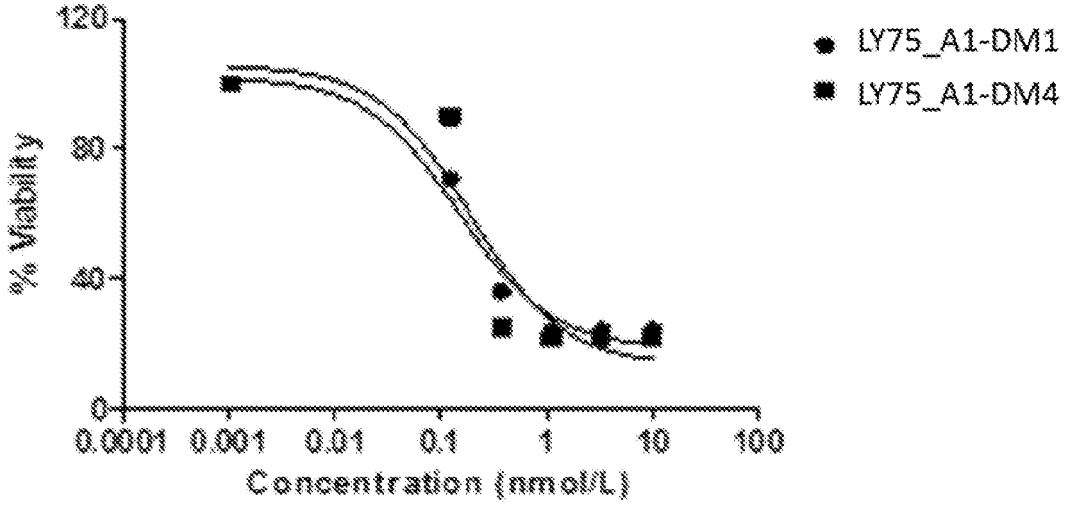



**Figure 3p**

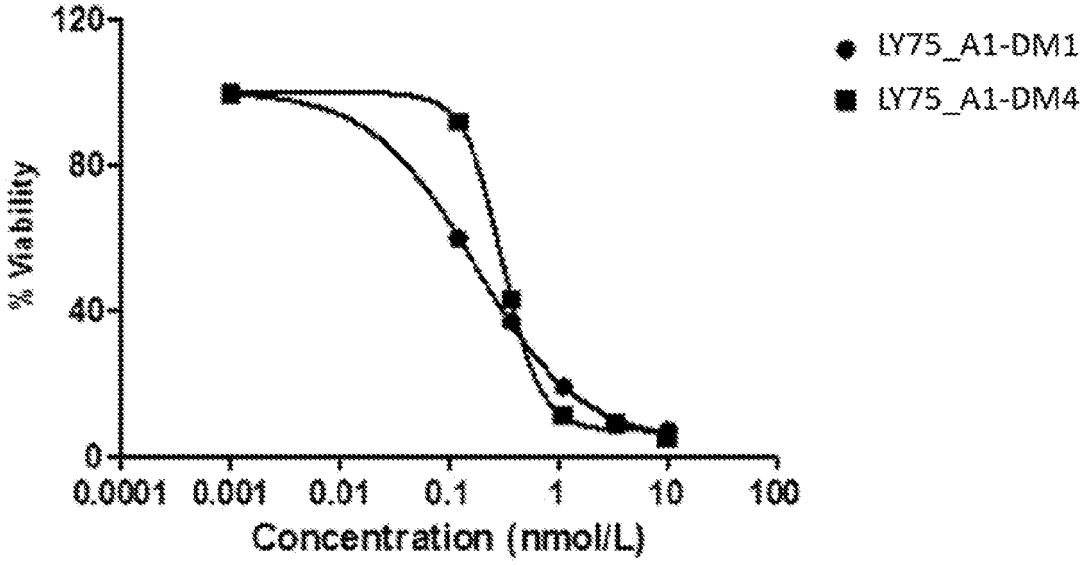



**Figure 3q**

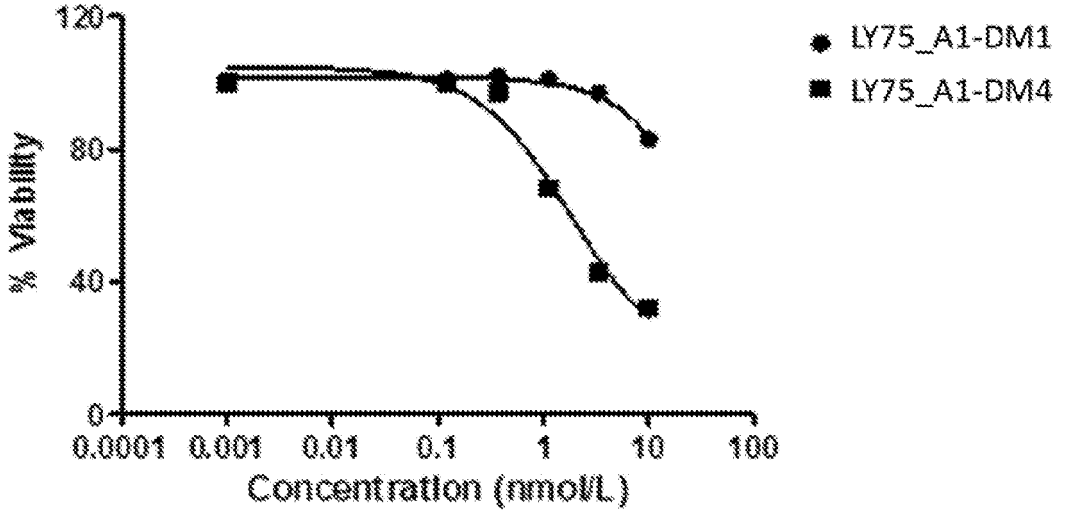



**Figure 3r**

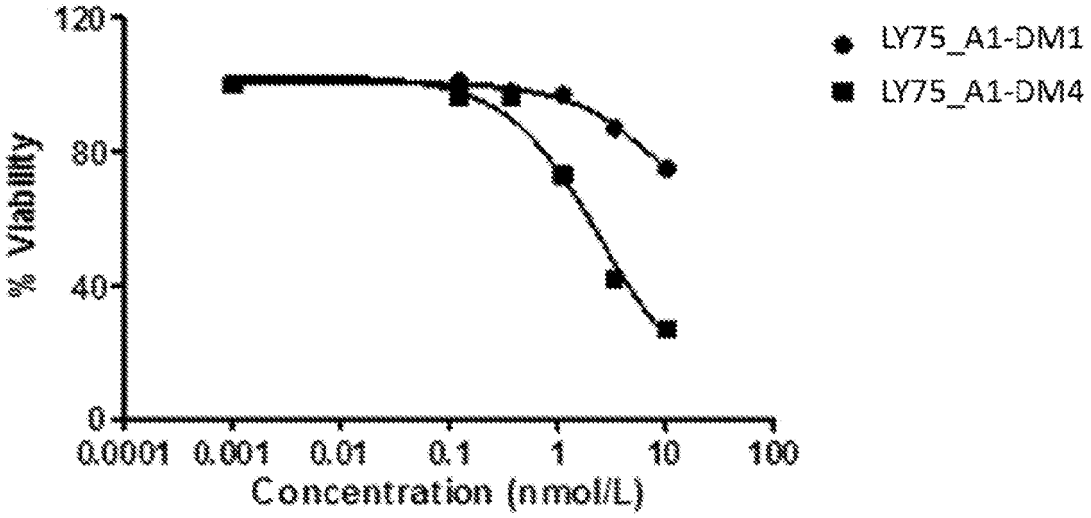



**Figure 3s**

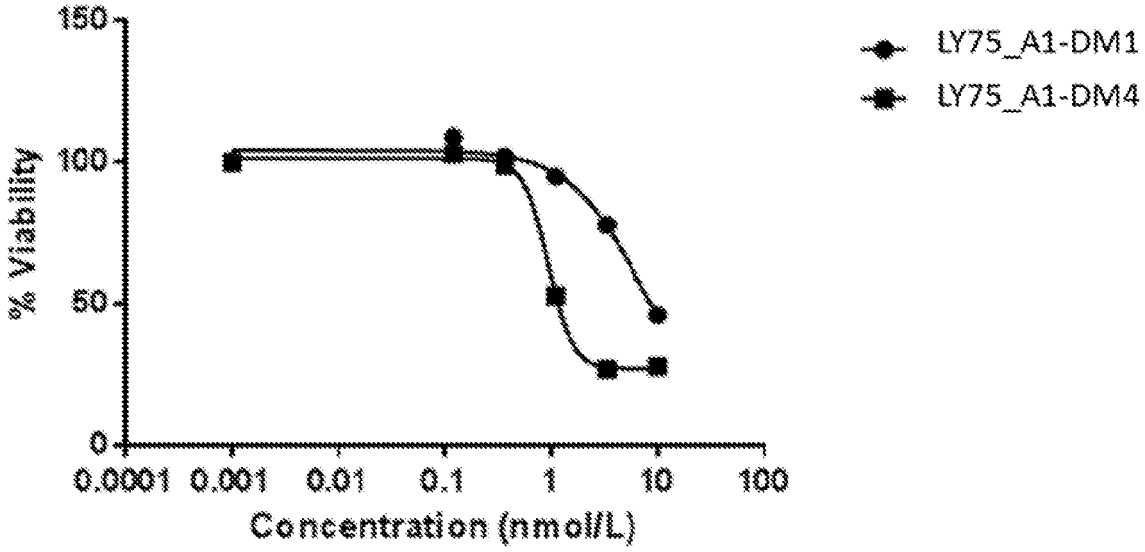



**Figure 3t**

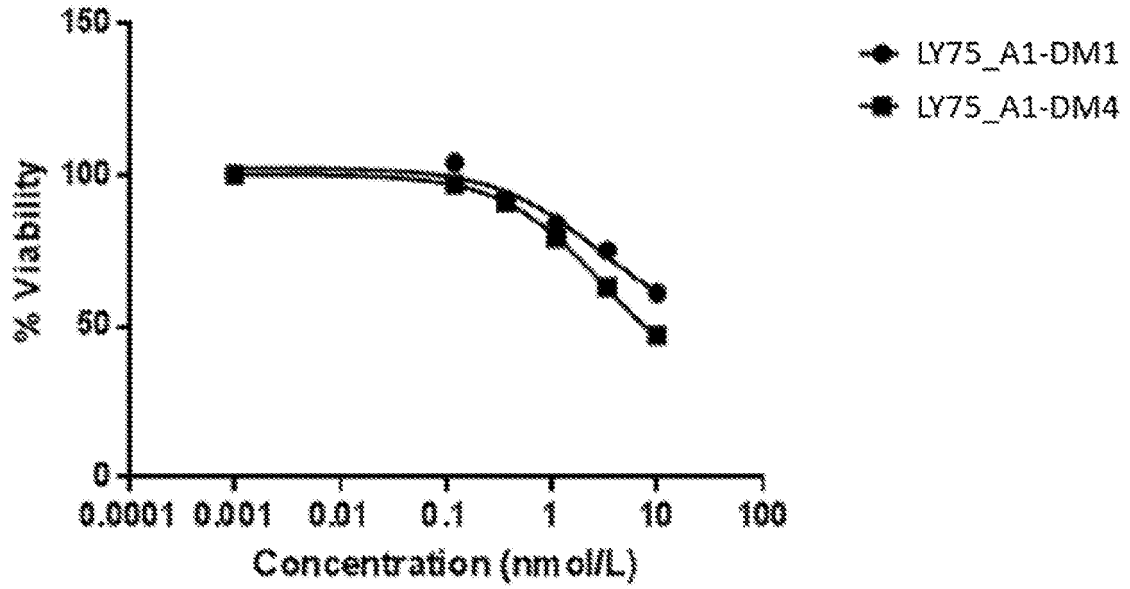



**Figure 3u**

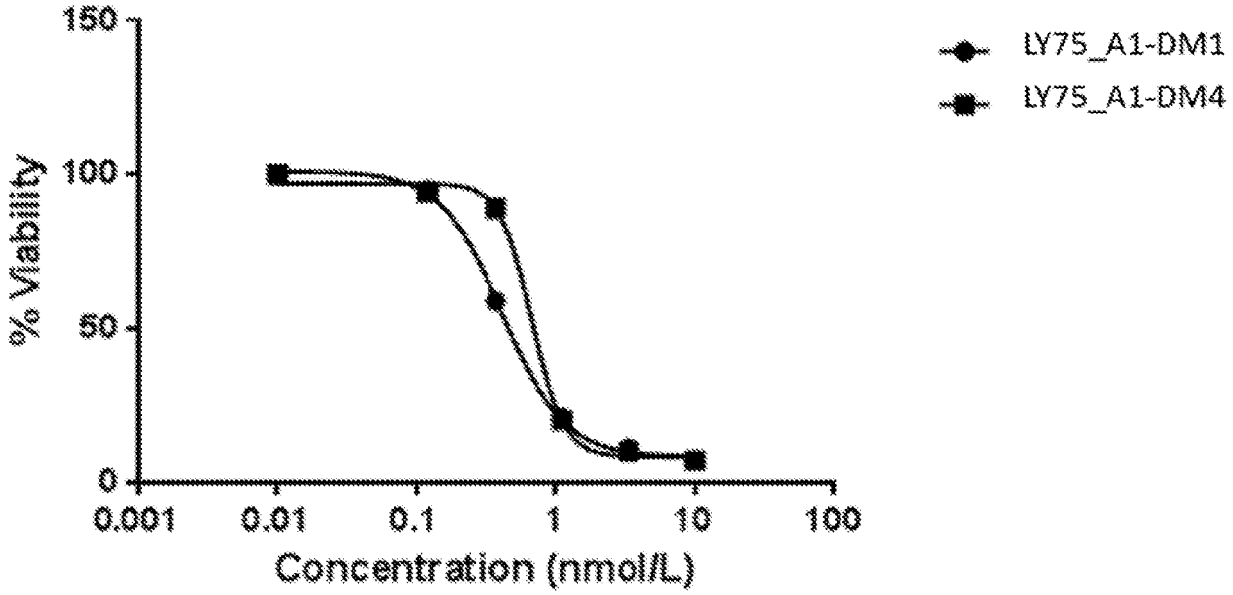



**Figure 3v**

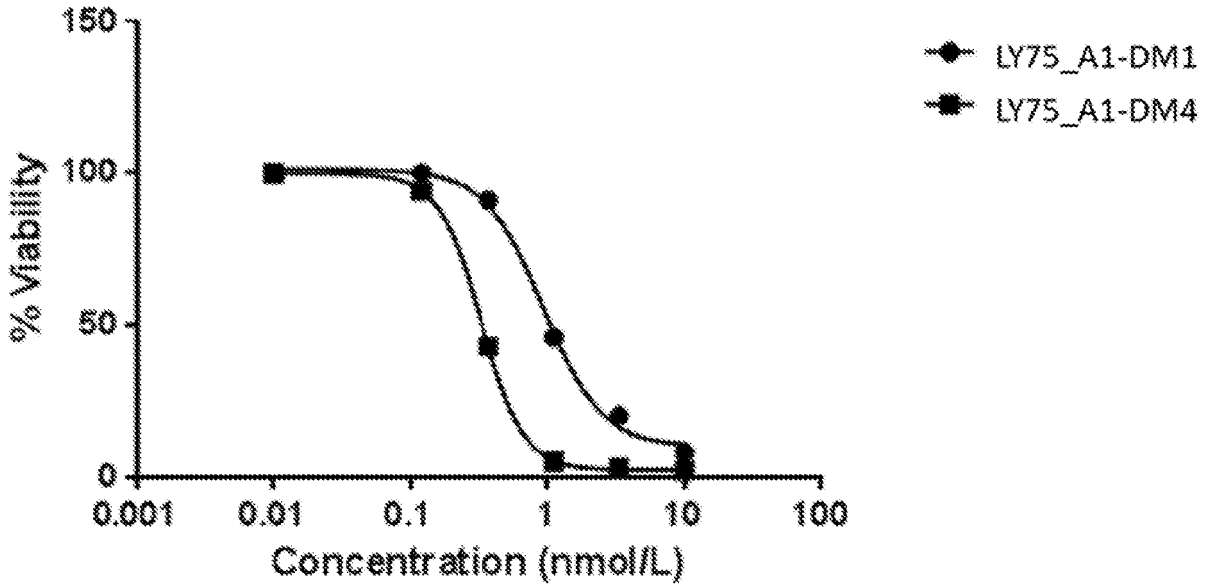



**Figure 3w**

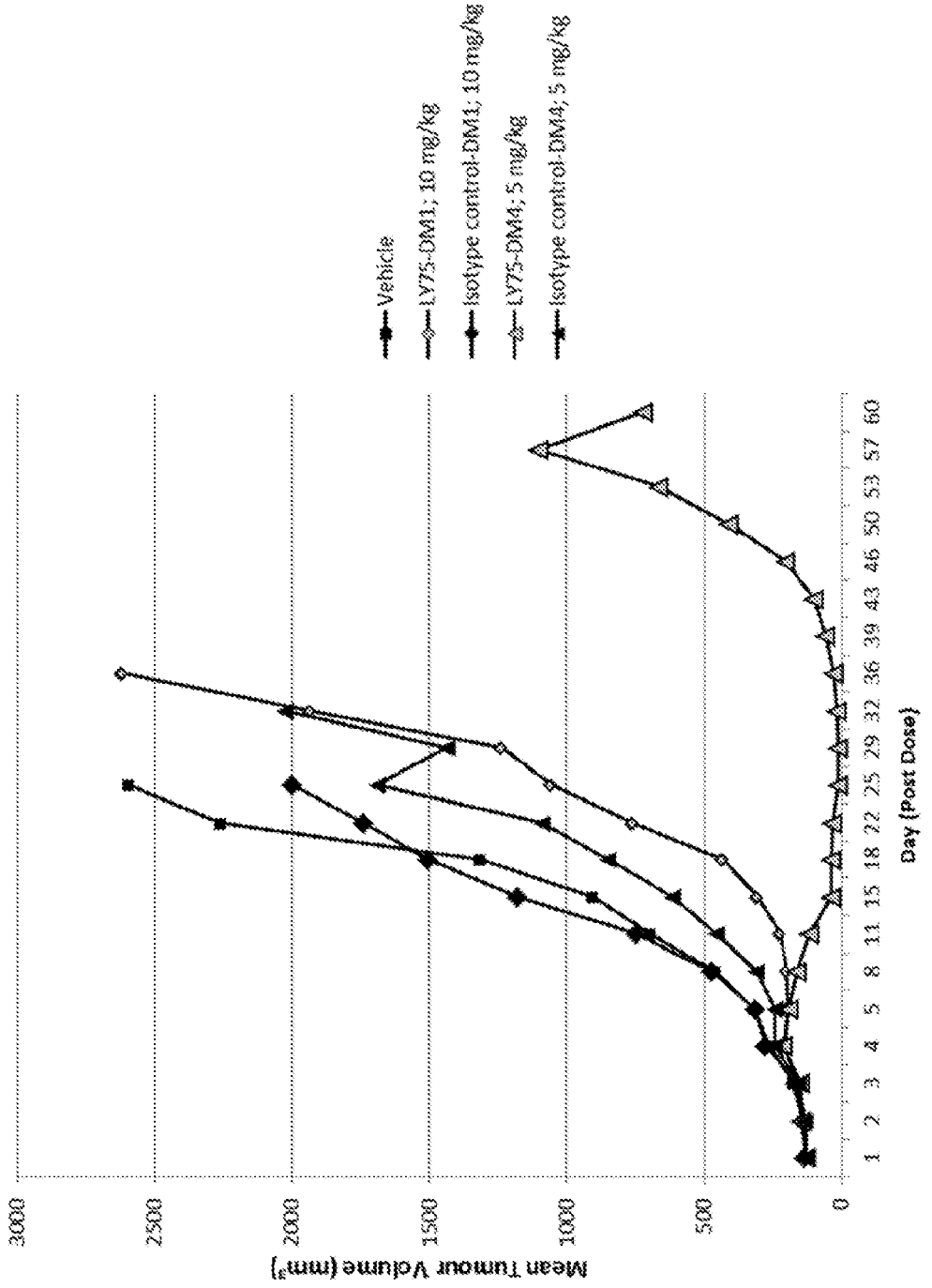

Vehicle
LY75-DM1, 10 mg/kg
Isotype control-DM1; 10 mg/kg
LY75-DM4, 5 mg/kg
Isotype control-DM4; 5 mg/kg
Mean Tumour Volume (mm³)
3000
2500
2000
1500
1000
500
0
1 2 3 4 5 8 11 15 18 22 25 29 32 36 39 43 46 50 53 57 60
Day (Post Dose)

**Figure 4a**

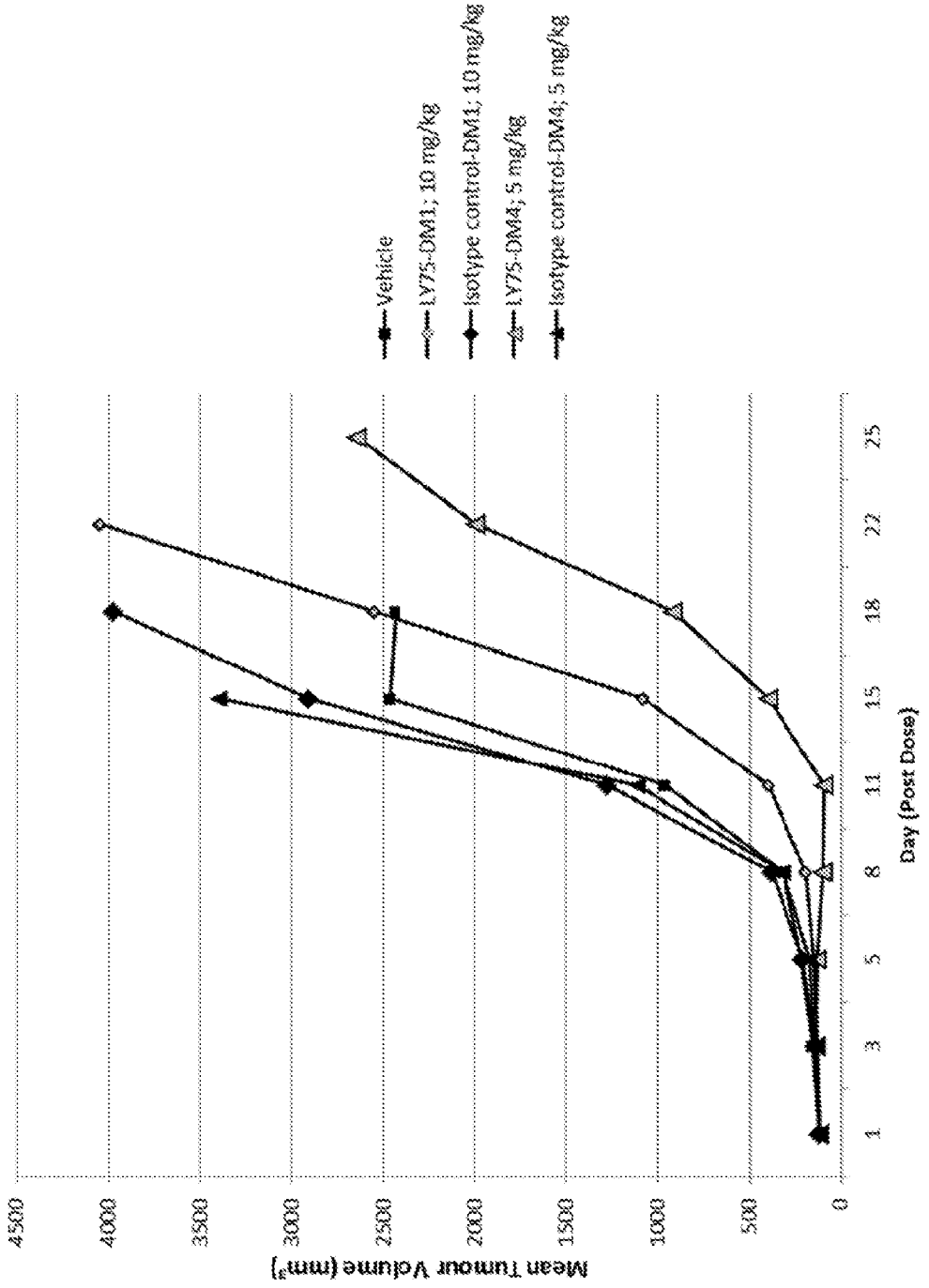

Vehicle
LY75-DM1, 10 mg/kg
Isotype control-DM1; 10 mg/kg
LY75-DM4, 5 mg/kg
Isotype control-DM4; 5 mg/kg
Mean Tumour Volume (mm³)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
1
3
5
8
11
15
18
22
25
Day (Post Dose)

**Figure 4b**

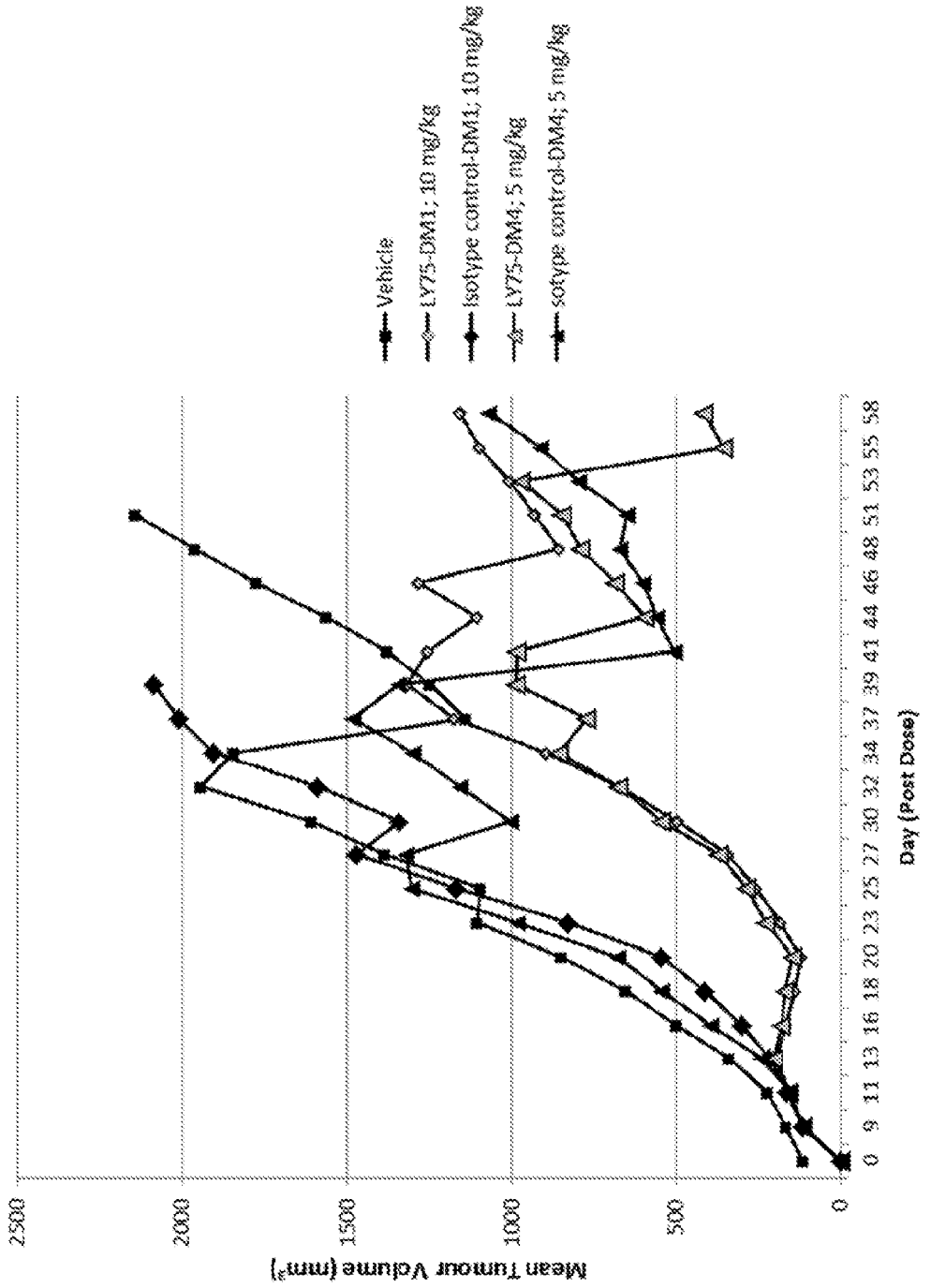

Vehicle
LY75-DM1; 10 mg/kg
Isotype control-DM1; 10 mg/kg
LY75-DM4; 5 mg/kg
sotype control-DM4; 5 mg/kg
Mean Tumour Volume (mm³)
2500
2000
1500
1000
500
0
0 9 11 13 16 18 20 23 25 27 30 32 34 37 39 41 44 46 48 51 53 55 58
Day (Post Dose)

**Figure 4c**

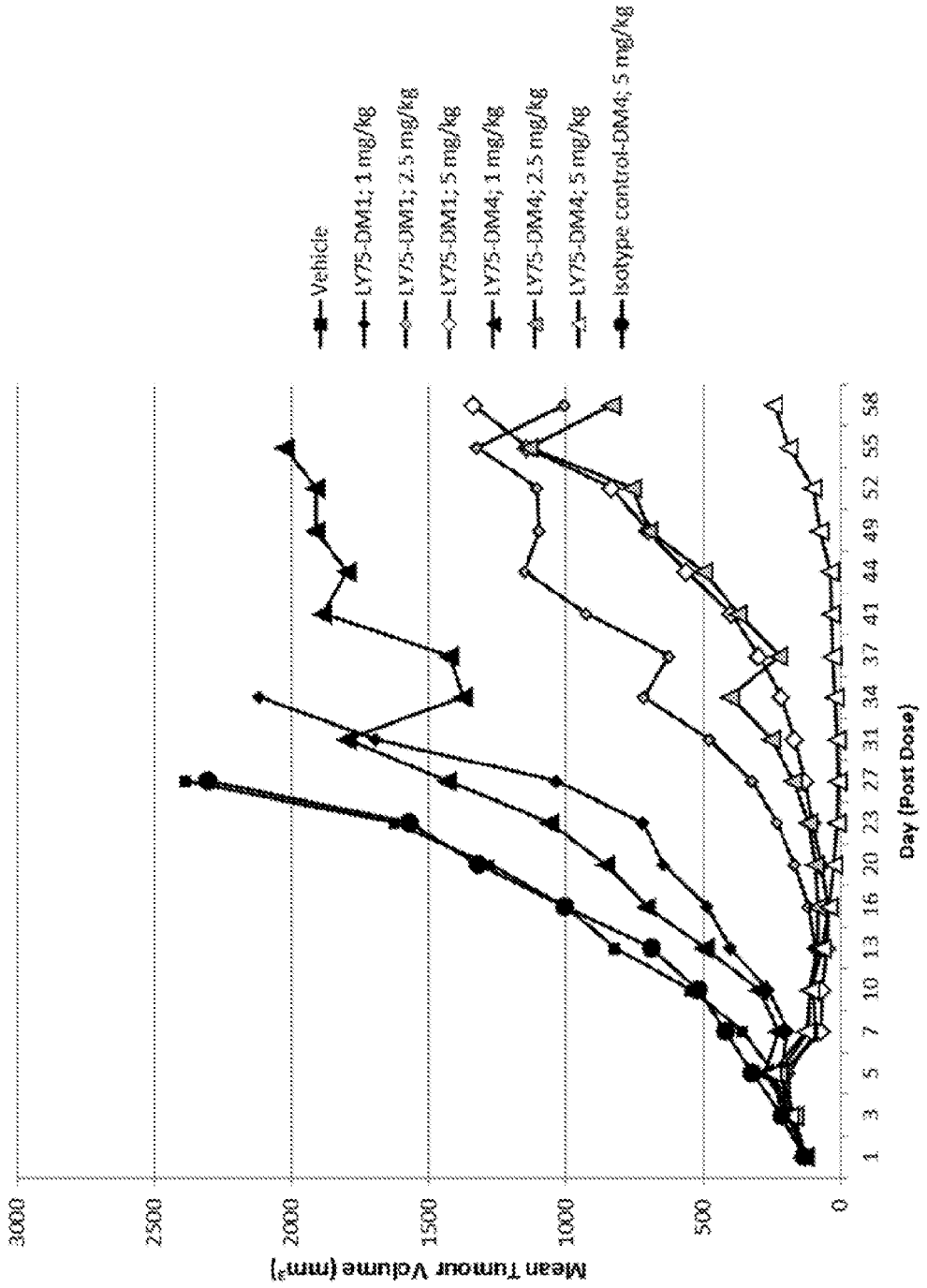

Vehicle
LY75-DM1; 1 mg/kg
LY75-DM1; 2.5 mg/kg
LY75-DM1; 5 mg/kg
LY75-DM4; 1 mg/kg
LY75-DM4; 2.5 mg/kg
LY75-DM4; 5 mg/kg
Isotype control-DM4; 5 mg/kg
Mean Tumour Volume (mm³)
3000
2500
2000
1500
1000
500
0
1 3 5 7 10 13 16 20 23 27 31 34 37 41 44 49 52 55 58
Day (Post Dose)

**Figure 4d**

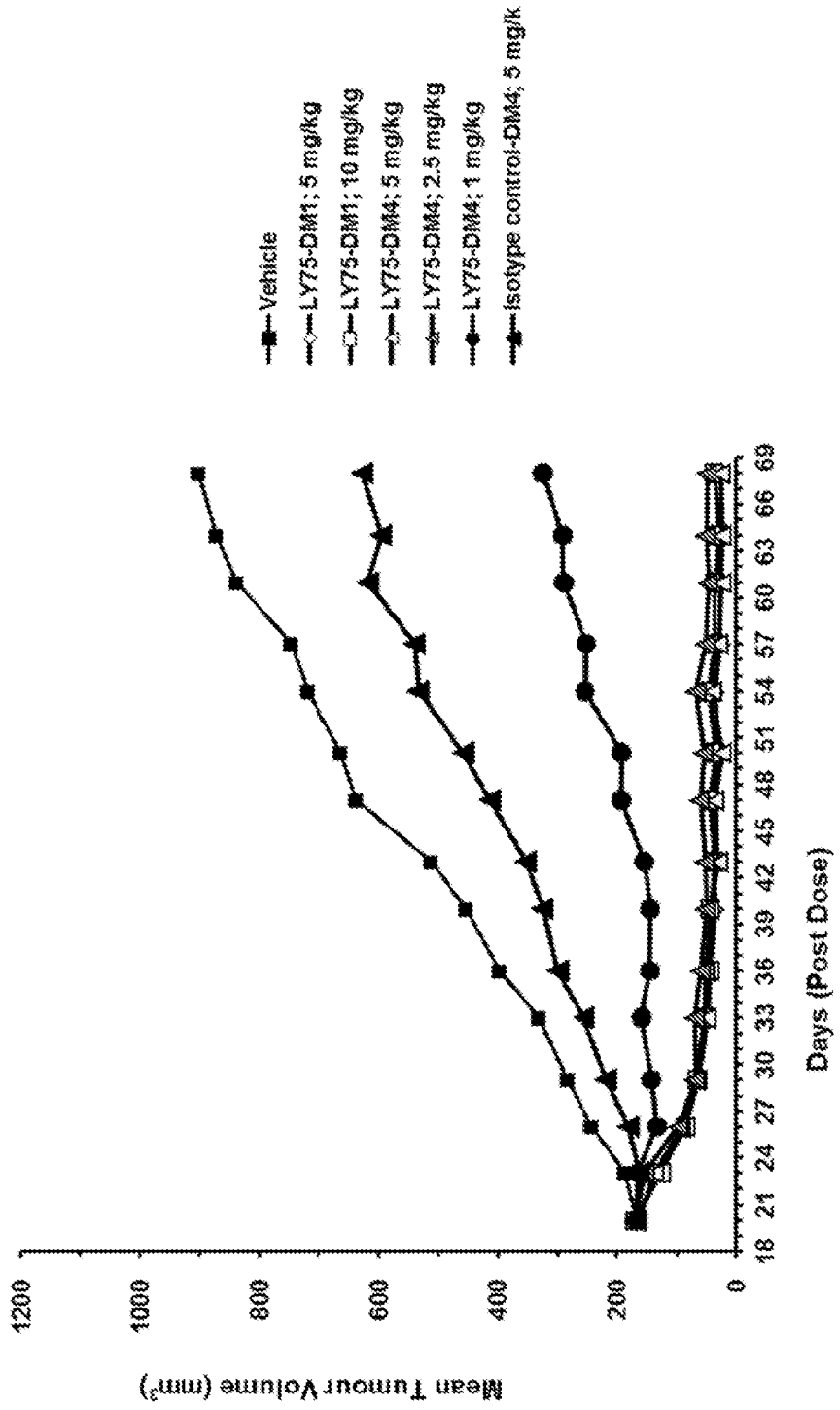

Vehicle
LY75-DM1; 5 mg/kg
LY75-DM1; 10 mg/kg
LY75-DM4; 5 mg/kg
LY75-DM4; 2.5 mg/kg
LY75-DM4; 1 mg/kg
Isotype control-DM4; 5 mg/k
Mean Tumour Volume (mm³)
1200
1000
800
600
400
200
0
18 21 24 27 30 33 36 39 42 45 48 51 54 57 60 63 66 69
Days (Post Dose)

**Figure 4e**

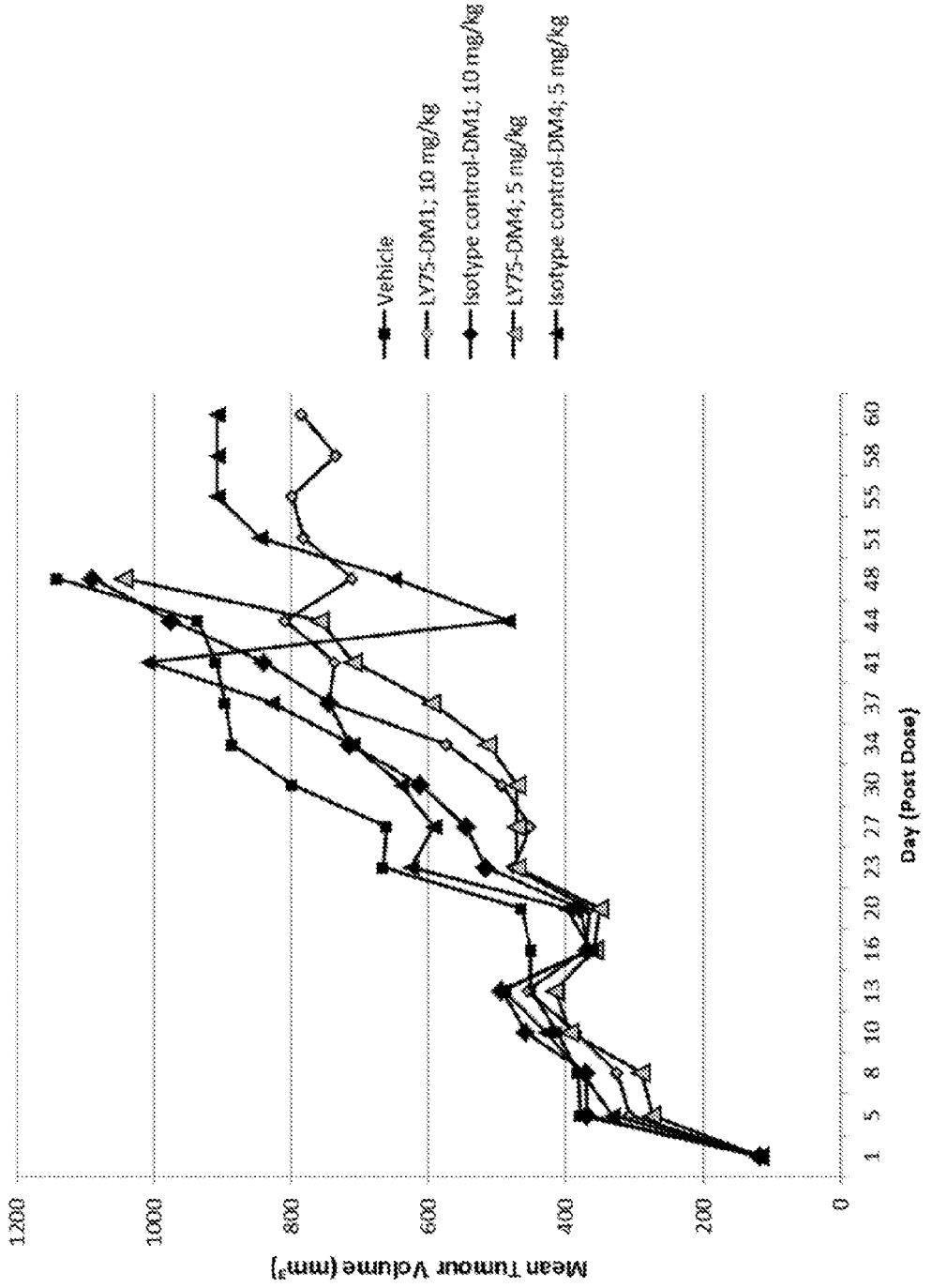

Vehicle
LY75-DM1, 10 mg/kg
Isotype control-DM1; 10 mg/kg
LY75-DM4; 5 mg/kg
Isotype control-DM4; 5 mg/kg
Mean Tumour Volume (mm³)
0
200
400
600
800
1000
1200
1 5 8 10 13 16 20 23 27 30 34 37 41 44 48 51 55 58 60
Day (Post Dose)

**Figure 4f**

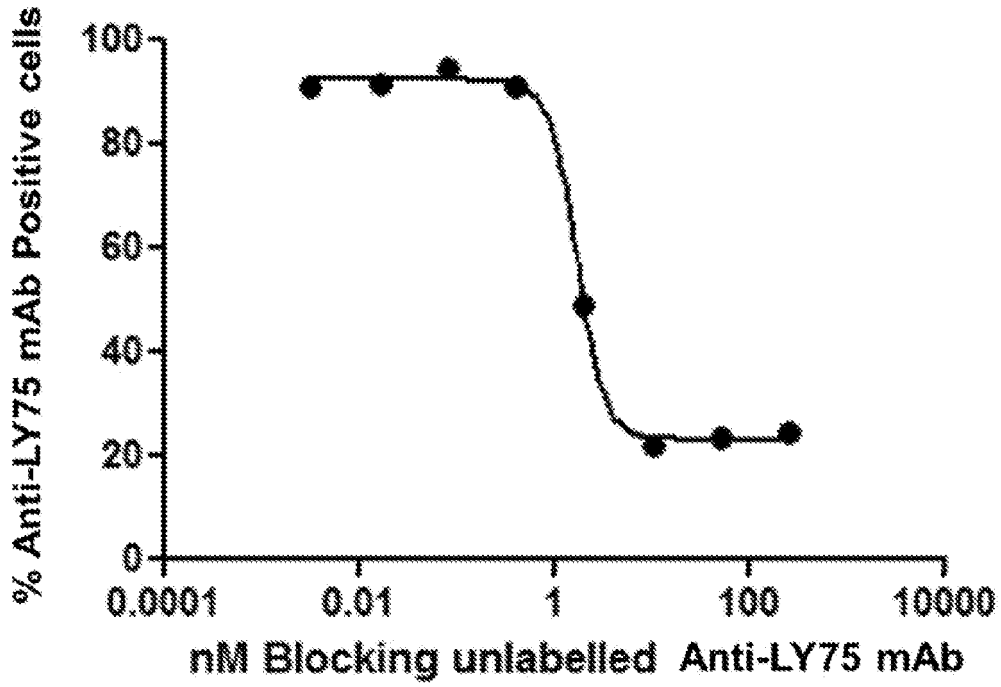



Figure 5a

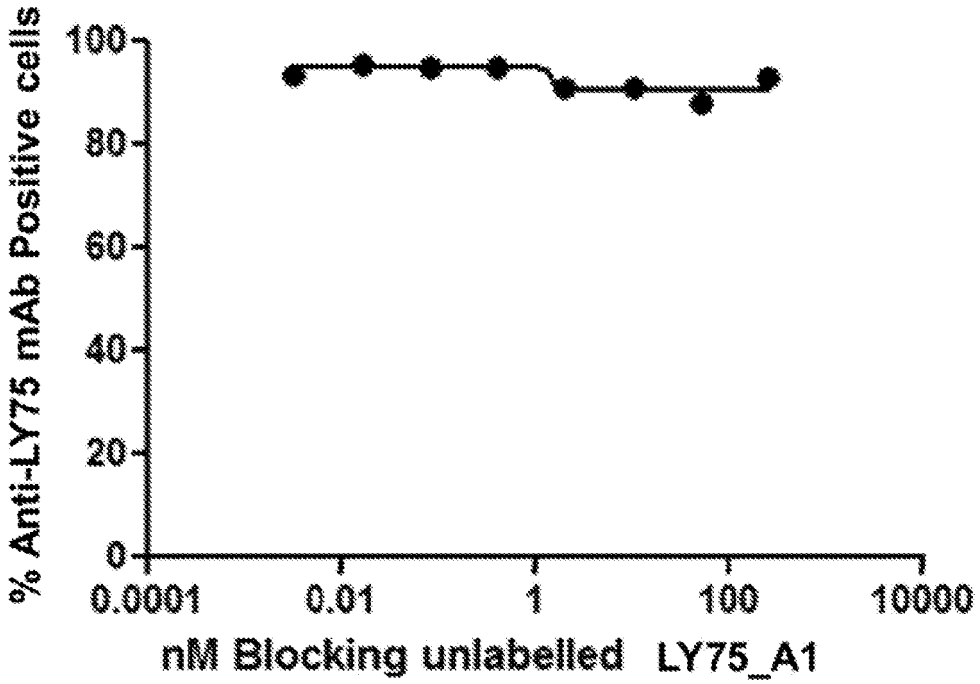



Figure 5b

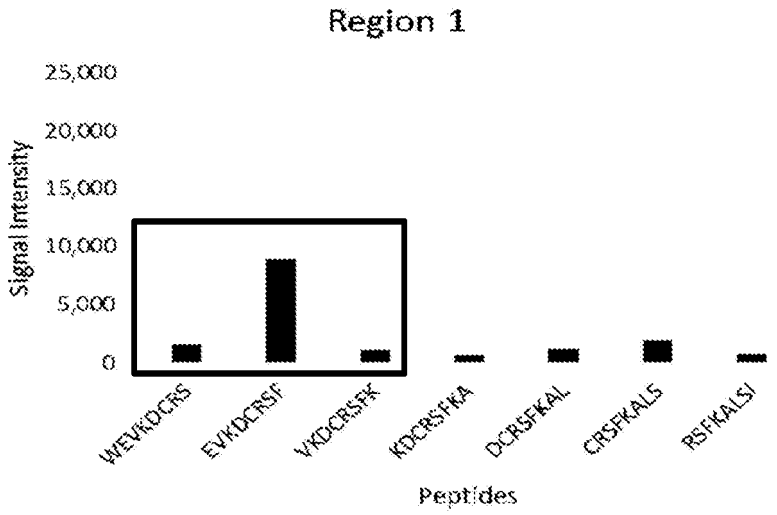



**Figure 6a**

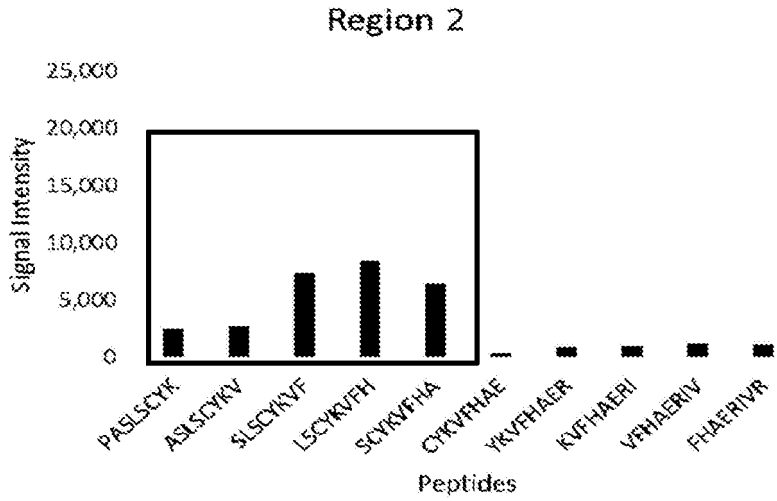



**Figure 6b**

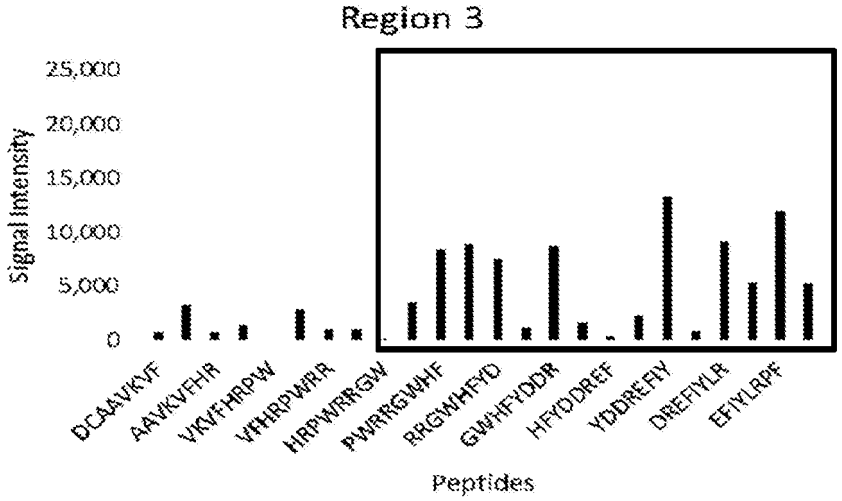



**Figure 6c**

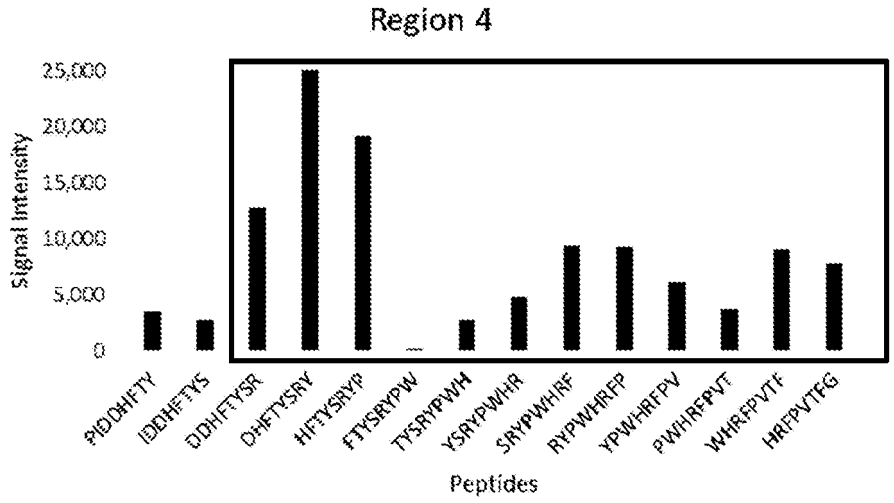



**Figure 6d**

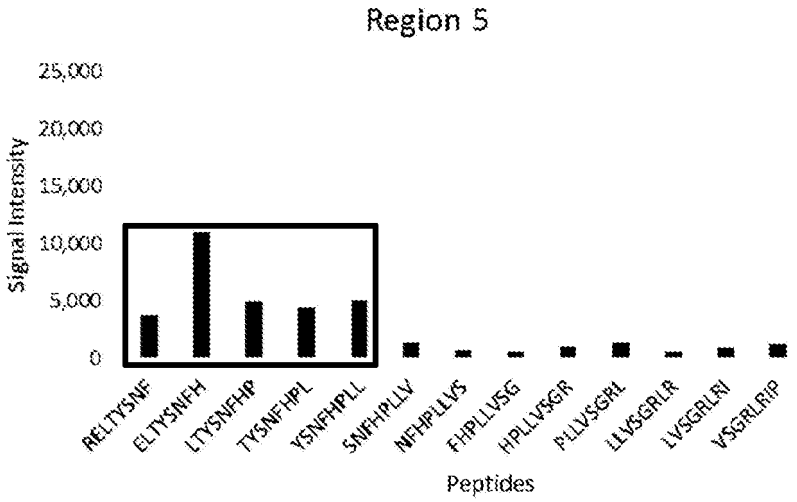



**Figure 6e**

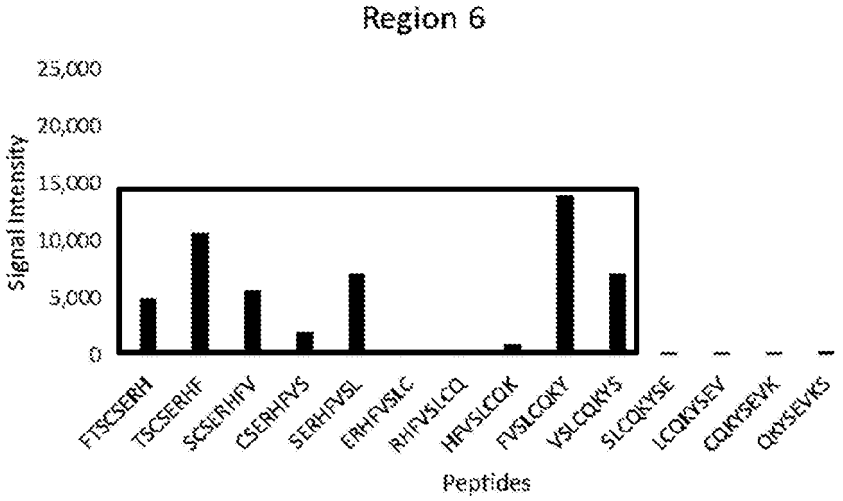



**Figure 6f**

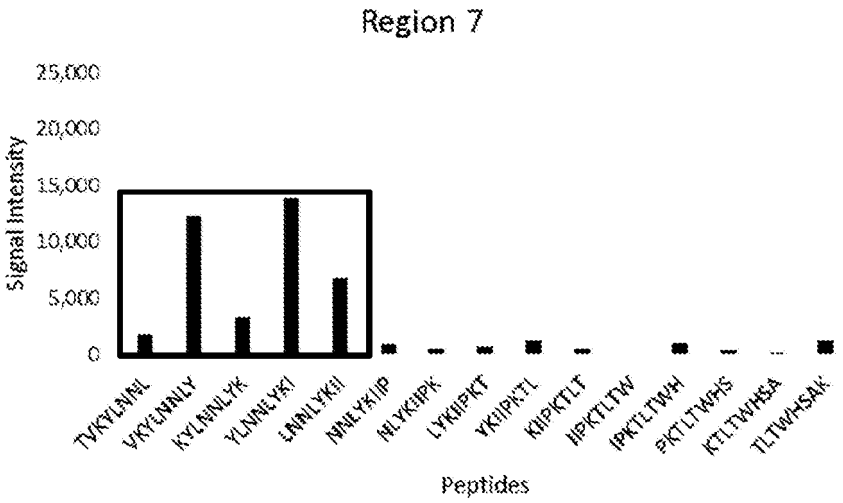



**Figure 6g**

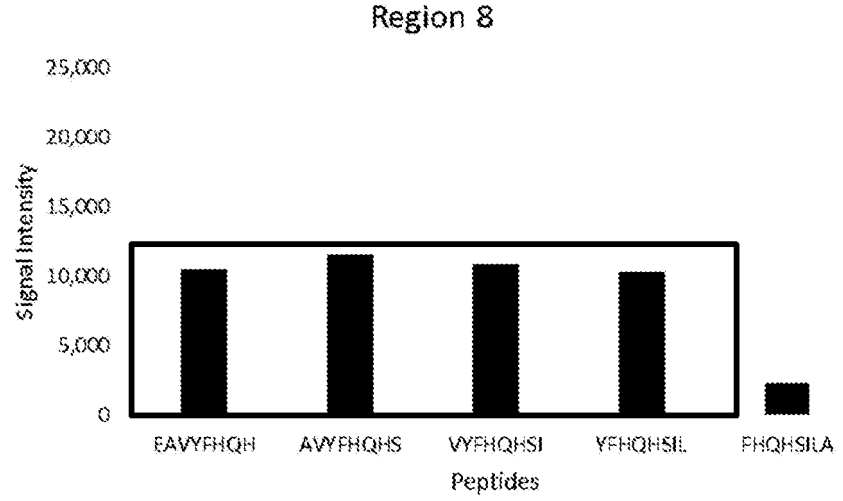



**Figure 6h**

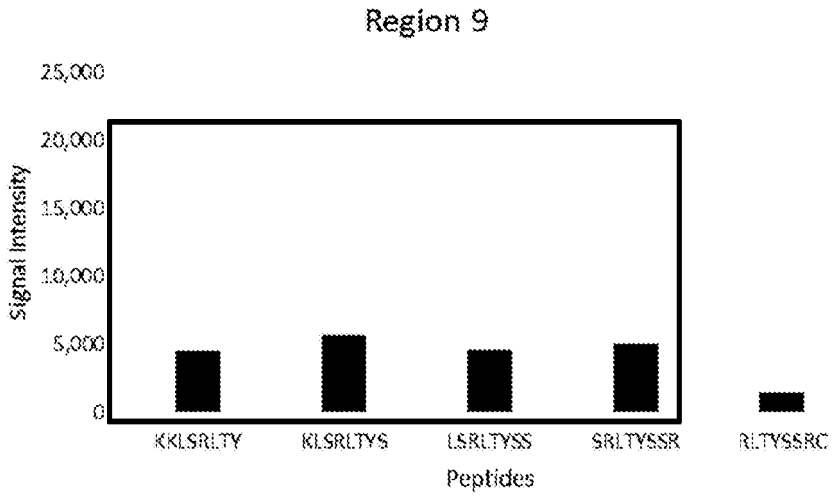



**Figure 6i**

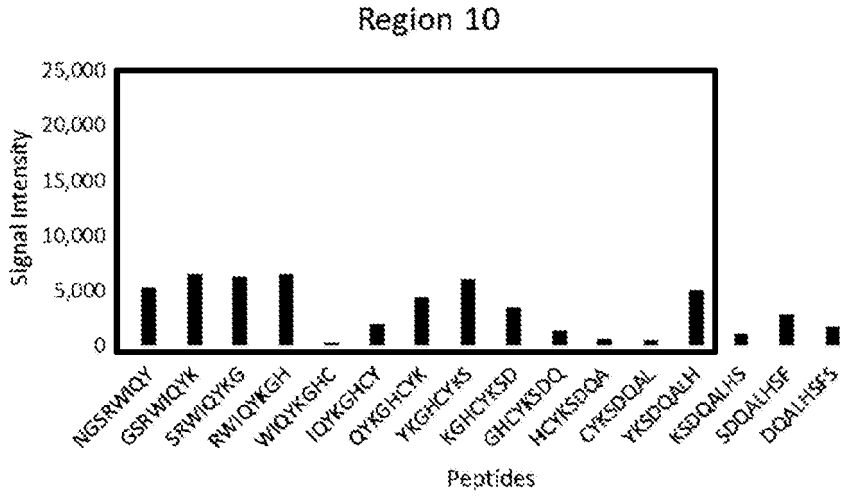



**Figure 6j**

Figure 7

```
sp|O60449|LY75_HUMAN      MRTGWATPRRPAGLLMLLFWFFDLAEPSGRAANDPFTIVHGNTGKCIKPVYGWIVADDCD 60
MS-Peptides_Elute1a       ------------------------------------------------CIKPVYGWIVADDCD
MS-Peptides_Elute1b       ------------------------------------------------CIKPVYGWIVADDCD
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ------------------------------------------------------------

sp|O60449|LY75_HUMAN      ETEDKLWKWVSQHRLFHLHSQKCLGLDITKSVNELRMFSCDSSAMLWWKCEHHSLYGAAR 120
MS-Peptides_Elute1a       ETEDKLWK----------------------------------------CEHHSLYGAAR
MS-Peptides_Elute1b       ETEDKLWK------------------------------------------------------
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ------------------------------------------------------------

sp|O60449|LY75_HUMAN      YRLALKDGHGTAISNASDVWKKGGSEESLCDQPYHEIYTRDGNSYGRPCEFPFLIDGTWH 180
MS-Peptides_Elute1a       ------DGHGTAISNASDVWKKGGSEESLCDQPYHEIYTR--------------------
MS-Peptides_Elute1b       ----------------------KGGSEESLCDQPYHEIYTR--------------------
MS-Peptides_Elute2a       ----------------------GGSEESLCDQPYHEIYTR--------------------
MS-Peptides_Elute2b       ----------------------GGSEESLCDQPYHEIYTR--------------------
LC-Peptides               ------DGHGTAISNASDVWK------------------------------------

sp|O60449|LY75_HUMAN      HDCILDEDHSGPWCATTLNYEYDRKWGICLKPENGCEDNWEKNEQFGSCYQFNTQTALSW 240
MS-Peptides_Elute1a       ------------------------------------------------------------
MS-Peptides_Elute1b       ------------------------WGICLKPENGCEDNWEK--------------------
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ------------------------------------------------------------

sp|O60449|LY75_HUMAN      KEAYVSCQNQGADLLSINSAAELTYLKEKEGIAKIFWIGLNQLYSARGWEWSDHKPLNFL 300
MS-Peptides_Elute1a       ----------------------------------IFWIGLNQLYSAR-------------
MS-Peptides_Elute1b       ------------------------------------------------------------
MS-Peptides_Elute2a       ----------------------------------IFWIGLNQLYSAR-------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ------------------------------------------------------------

sp|O60449|LY75_HUMAN      NWDPDRPSAPTIGGSSCARMDAESGLWQSFSCEAQLPYVCRKPLNNTVELTDVWTYSDTR 360
MS-Peptides_Elute1a       ------------------------------------------------------------
MS-Peptides_Elute1b       ------------------------------------------------------------
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ------------------------------------------------------------

sp|O60449|LY75_HUMAN      CDAGWLPNNGFCYLLVNESNSWDKAHAKCKAFSSDLISIHSLADVEVVVTKLHNEDIKEE 420
MS-Peptides_Elute1a       ----------------------------------------------------LHNEDIKEE
MS-Peptides_Elute1b       ----------------------------------------------------LHNEDIKEE
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ------------------------------------------------------------

sp|O60449|LY75_HUMAN      VWIGLKNINIPTLFQWSDGTEVTLTYWDENEPNVPYNKTPNCVSYLGELGQWKVQSCEEK 480
MS-Peptides_Elute1a       VWIGLK--------------------------------TPNCVSYLGELGQWK-------
MS-Peptides_Elute1b       VWIGLK--------------------------------TPNCVSYLGELGQWK-------
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ------------------------------------------------------------
```

```
sp|O60449|LY75_HUMAN      LKYVCKRKGEKLNDASSDKMCPPDEGWKRHGETCYKIYEDEVPFGTNCNLTITSRFEQEY 540
MS-Peptides_Elute1a       ------------------------------------------------------------
MS-Peptides_Elute1b       ------------------------------------------------------------
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ------------------------------------------------------------

sp|O60449|LY75_HUMAN      LNDLMKKYDKSLRKYFWTGLRDVDSCGEYNWATVGGRRRAVTFSNWNFLEPASPGGCVAM 600
MS-Peptides_Elute1a       --------------YFWTGLRDVDSCGEYNWATVGGR----------------------
MS-Peptides_Elute1b       --------------YFWTGLRDVDSCGEYNWATVGGR----------------------
MS-Peptides_Elute2a       --------------YFWTGLRDVDSCGEYNWATVGGR----------------------
MS-Peptides_Elute2b       --------------YFWTGLRDVDSCGEYNWATVGGR----------------------
LC-Peptides               ------------------------------------------------------------

sp|O60449|LY75_HUMAN      STGKSVGKWEVKDCRSFKALSICKKMSGPLGPEEASPKPDDPCPEGWQSFPASLSCYKVF 660
MS-Peptides_Elute1a       ----SVGKWEVKDCR---ALSICKK------------------------------------
MS-Peptides_Elute1b       ------------------------------------------------------------
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               --------WEVKDCRSFK--------------------------------PASLSCYKVF

sp|O60449|LY75_HUMAN      HAERIVRKRNWEEAERFCQALGAHLSSFSHVDEIKEFLHFLTDQFSGQHWLWIGLNKRSP 720
MS-Peptides_Elute1a       --------RNWEEAER-------------------------------------------RSP
MS-Peptides_Elute1b       --------RNWEEAER-------------------------------------------RSP
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               HA--------------------------------------------------------

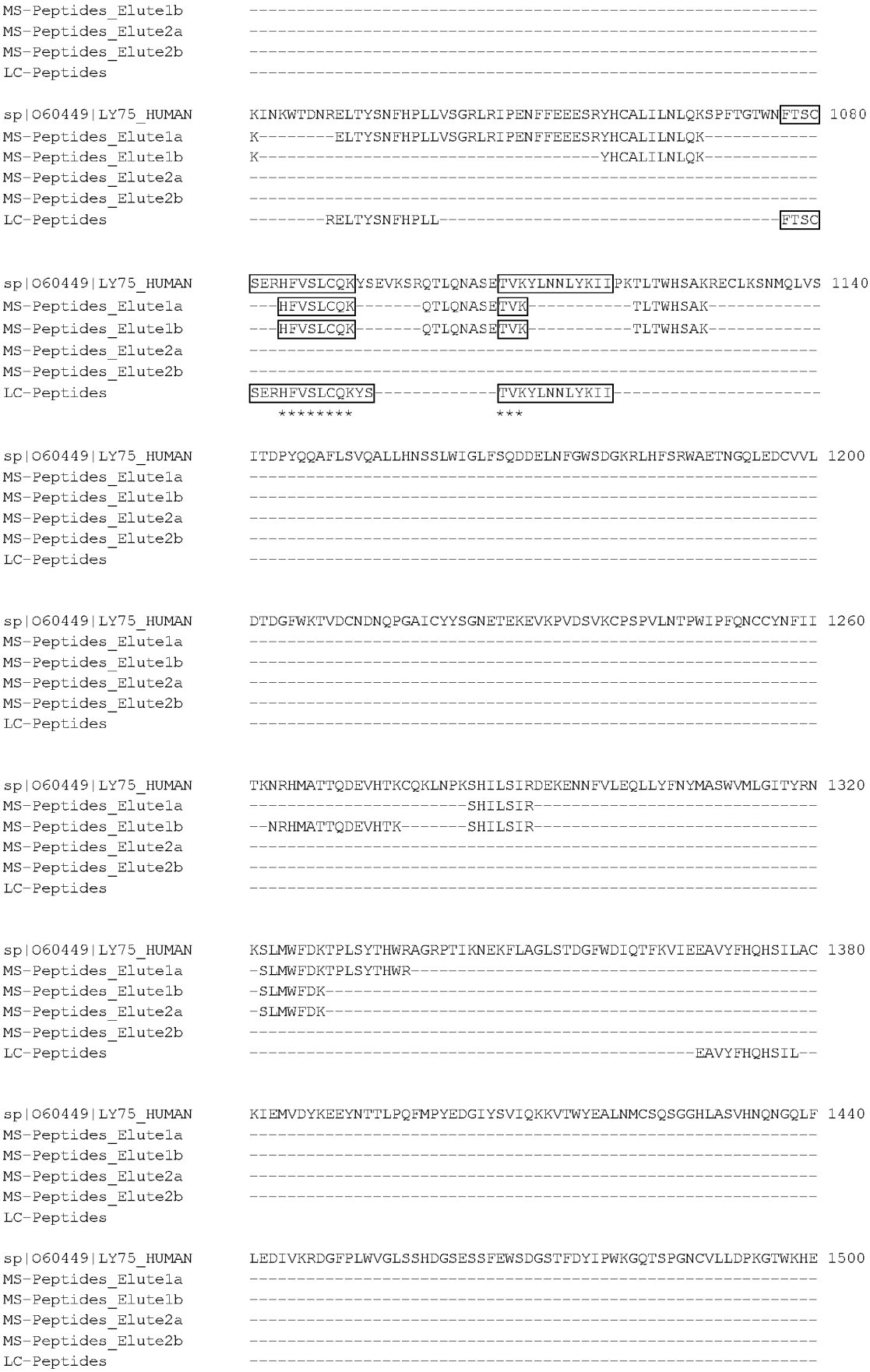
sp|O60449|LY75_HUMAN      DLQGSWQWSDRTPVSTIIMPNEFQQDYDIRDCAAVKVFHRPWRRGWHFYDDREFIYLRPF 780
MS-Peptides_Elute1a       ----------TPVSTIIMPNEFQQDYDIR------------------------------
MS-Peptides_Elute1b       DLQGSWQWSDRTPVSTIIMPNEFQQDYDIR------------------------------
MS-Peptides_Elute2a       ---------------------------------------------GWHFYDDR--------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               -----------------------------------------PWRRGWHFYDDREFIYLRPF

sp|O60449|LY75_HUMAN      ACDTKLEWVCQIPKGRTPKTPDWYNPDRAGIHGPPLIIEGSEYWFVADLHLNYEEAVLYC 840
MS-Peptides_Elute1a       ------------------------------------------------------------
MS-Peptides_Elute1b       ------------------------------------------------------------
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ------------------------------------------------------------

sp|O60449|LY75_HUMAN      ASNHSFLATITSFVGLKAIKNKIANISGDGQKWWIRISEWPIDDHFTYSRYPWHRFPVTF 900
MS-Peptides_Elute1a       ------------------------------------ISEWPIDDHFTYSR-----FPVTF
MS-Peptides_Elute1b       ------------------------------------ISEWPIDDHFTYSR----------
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ---------------------------------------------DDHFTYSRYPWHRFPVTF
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sp|O60449|LY75_HUMAN      GEECLYMSAKTWLIDLGKPTDCSTKLPFICEKYNVSSLEKYSPDSAAKVQCSEQWIPFQN 960
MS-Peptides_Elute1a       GEECLYMSAKTWLIDLGKPTDCSTK-------YNVSSLEK--------VQCSEQWIPFQN
MS-Peptides_Elute1b       ----------TWLIDLGKPTDCSTK-------YNVSSLEK--------VQCSEQWIPFQN
MS-Peptides_Elute2a       ----------TWLIDLGKPTDCSTK-----------------------------------
MS-Peptides_Elute2b       ----------TWLIDLGKPTDCSTK-----------------------------------
LC-Peptides               G-----------------------------------------------------------

sp|O60449|LY75_HUMAN      KCFLKIKPVSLTFSQASDTCHSYGGTLPSVLSQIEQDFITSLLPDMEATLWIGLRWTAYE 1020
MS-Peptides_Elute1a       ------------------------------------------------------------
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MS-Peptides_Elute1b
MS-Peptides_Elute2a
MS-Peptides_Elute2b
LC-Peptides
sp|O60449|LY75_HUMAN KINKWTDNRELTYSNFHPLLVSGRLRIPENFFEEESRYHCALILNLQKSPFTGTWNFTSC 1080
MS-Peptides_Elute1a K--------ELTYSNFHPLLVSGRLRIPENFFEEESRYHCALILNLQK----------
MS-Peptides_Elute1b K----------YHCALILNLQK----------
LC-Peptides --------RELTYSNFHPLL----------FTSC
sp|O60449|LY75_HUMAN SERHFVSLCQKYSEVKSRQTLQNASETVKYLNNLYKIIPKTLTWHSAKRECLKSNMQLVS 1140
MS-Peptides_Elute1a ---HFVSLCQK-------QTLQNASETVK----------TLTWHSAK----------
MS-Peptides_Elute1b ---HFVSLCQK-------QTLQNASETVK----------TLTWHSAK----------
LC-Peptides SERHFVSLCQKYS----------TVKYLNNLYKII----------
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sp|O60449|LY75_HUMAN ITDPYQQAFLSVQALLHNSSLWIGLFSQDDELNFGWSDGKRLHFSRWAETNGQLEDCVVL 1200
sp|O60449|LY75_HUMAN DTDGFWKTVDCNDNQPGAICYYSGNETEKEVKPVDSVKCPSPVLNTPWIPFQNCCYNFII 1260
sp|O60449|LY75_HUMAN TKNRHMATTQDEVHTKCQKLNPKSHILSIRDEKENNFVLEQLLYFNYMASWVMLGITYRN 1320
MS-Peptides_Elute1a ----------SHILSIR----------
MS-Peptides_Elute1b --NRHMATTQDEVHTK-------SHILSIR----------
sp|O60449|LY75_HUMAN KSLMWFDKTPLSYTHWRAGRPTIKNEKFLAGLSTDGFWDIQTFKVIEEAVYFHQHSILAC 1380
MS-Peptides_Elute1a -SLMWFDKTPLSYTHWR----------
MS-Peptides_Elute1b -SLMWFDK----------
MS-Peptides_Elute2a -SLMWFDK----------
LC-Peptides ----------EAVYFHQHSIL--
sp|O60449|LY75_HUMAN KIEMVDYKEEYNTTLPQFMPYEDGIYSVIQKKVTWYEALNMCSQSGGHLASVHNQNGQLF 1440
sp|O60449|LY75_HUMAN LEDIVKRDGFPLWVGLSSHDGSESSFEWSDGSTFDYIPWKGQTSPGNCVLLDPKGTWKHE 1500

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sp|O60449|LY75_HUMAN      KCNSVKDGAICYKPTKSKKLSRLTYSSRCPAAKENGSRWIQYKGHCYKSDQALHSFSEAK 1560
MS-Peptides_Elute1a       ------------------------------------------------------------
MS-Peptides_Elute1b       ------------------------------------------------------------
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ----------------KKLSRLTYSS-C-----NGSRWIQYKGHCYKSDQALH------

sp|O60449|LY75_HUMAN      KLCSKHDHSATIVSIKDEDENKFVSRLMRENNNITMRVWLGLSQHSVDQSWSWLDGSEVT 1620
MS-Peptides_Elute1a       -----HDHSATIVSIKDEDENKFVSR----------------------------------
MS-Peptides_Elute1b       -----HDHSATIVSIKDEDENKFVSR----------------------------------
MS-Peptides_Elute2a       -----HDHSATIVSIKDEDENKFVSR----------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ------------------------------------------------------------

sp|O60449|LY75_HUMAN      FVKWENKSKSGVGRCSMLIASNETWKKVECEHGFGRVVCKVPLGPDYTAIAIIVATLSIL 1680
MS-Peptides_Elute1a       ---------------------------VECEHGFGR-----------------------
MS-Peptides_Elute1b       ---------------------------VECEHGFGR-----------------------
MS-Peptides_Elute2a       ------------------------------------------------------------
MS-Peptides_Elute2b       ------------------------------------------------------------
LC-Peptides               ------------------------------------------------------------

sp|O60449|LY75_HUMAN      VLMGGLIWFLFQRHRLHLAGFSSVRYAQGVNEDEIMLPSFHD 1722
MS-Peptides_Elute1a       -------------------------------------------
MS-Peptides_Elute1b       -------------------------------------------
MS-Peptides_Elute2a       -------------------------------------------
MS-Peptides_Elute2b       -------------------------------------------
LC-Peptides               -------------------------------------------
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