```
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

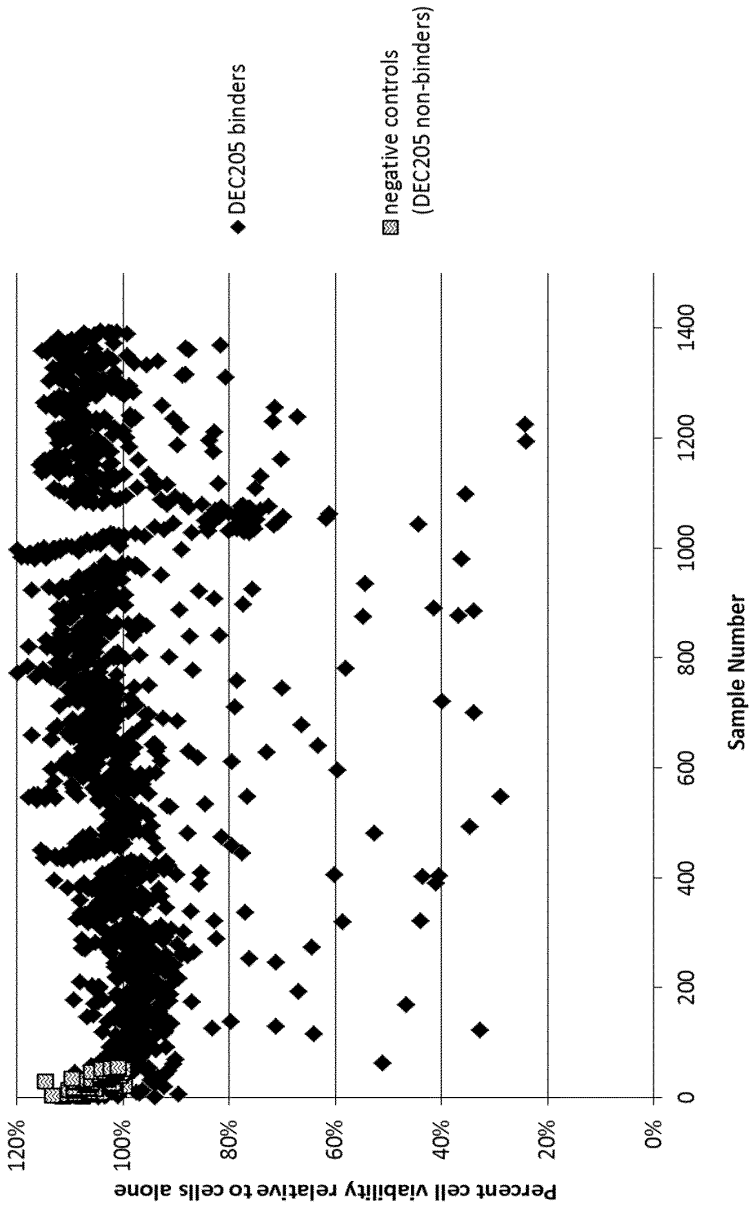
DEC205 binders
negative controls (DEC205 non-binders)
Percent cell viability relative to cells alone
120%
100%
80%
60%
40%
20%
0%
0
200
400
600
800
1000
1200
1400
Sample Number

Figure 3a

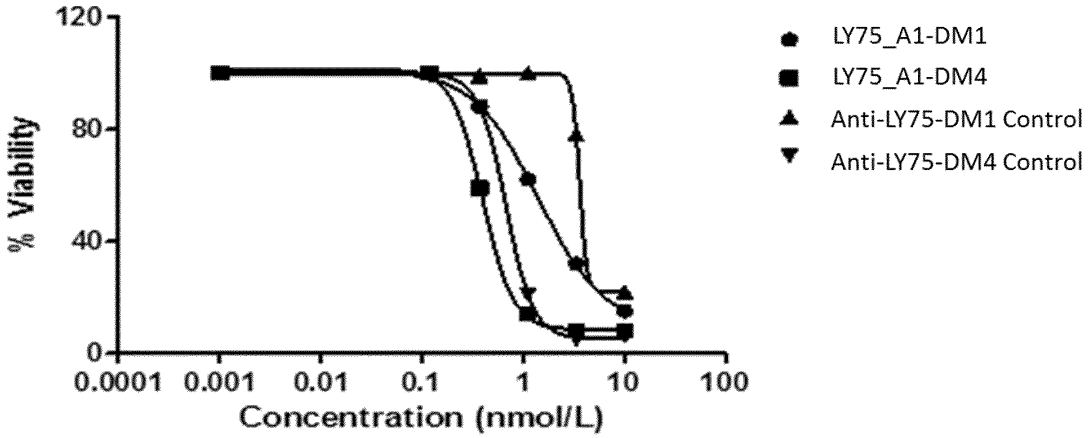

Figure 3b

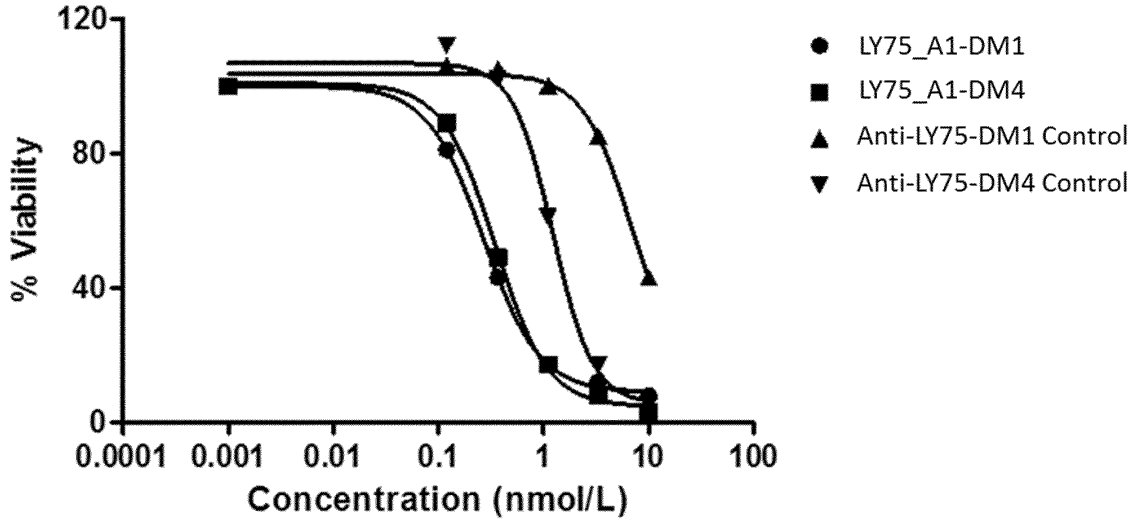

Figure 3c

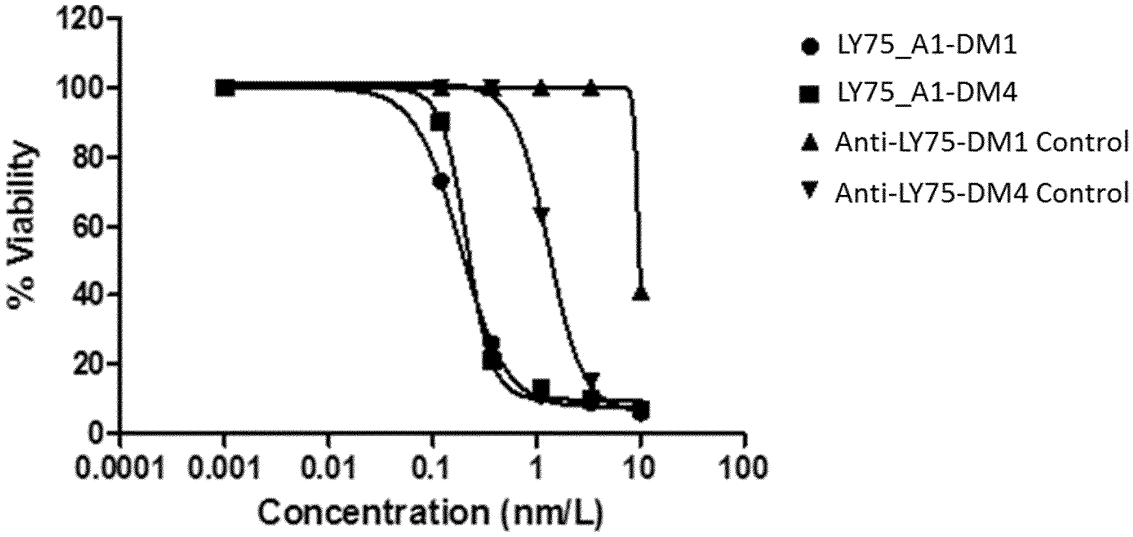

Figure 3d

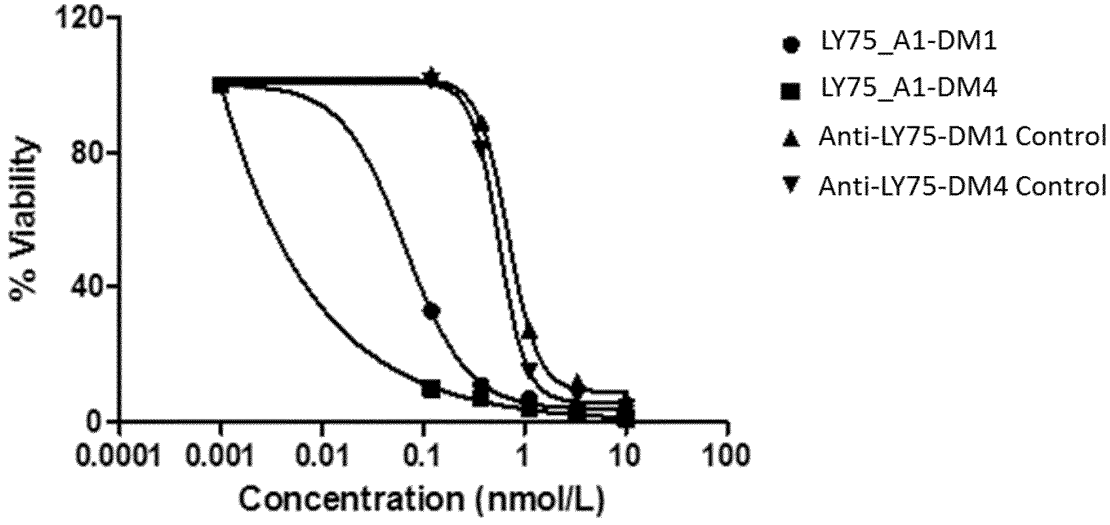

Figure 3e

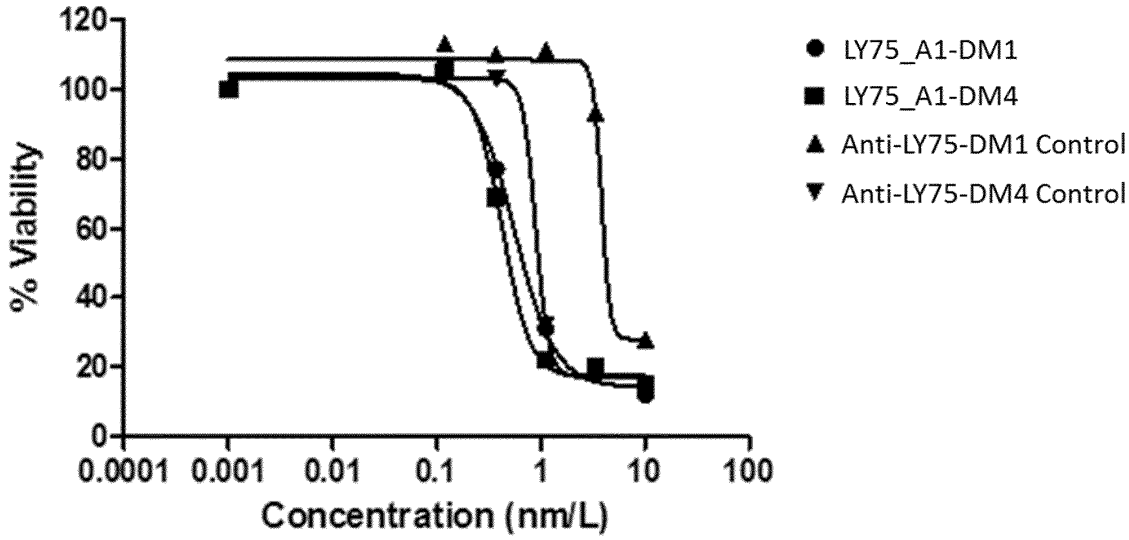

Figure 3f

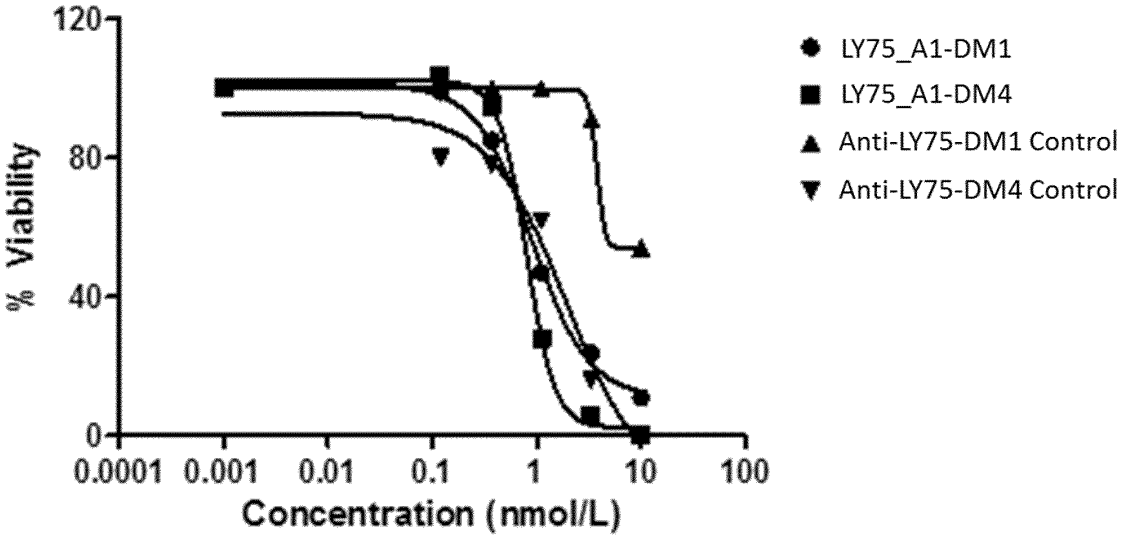

Figure 3g

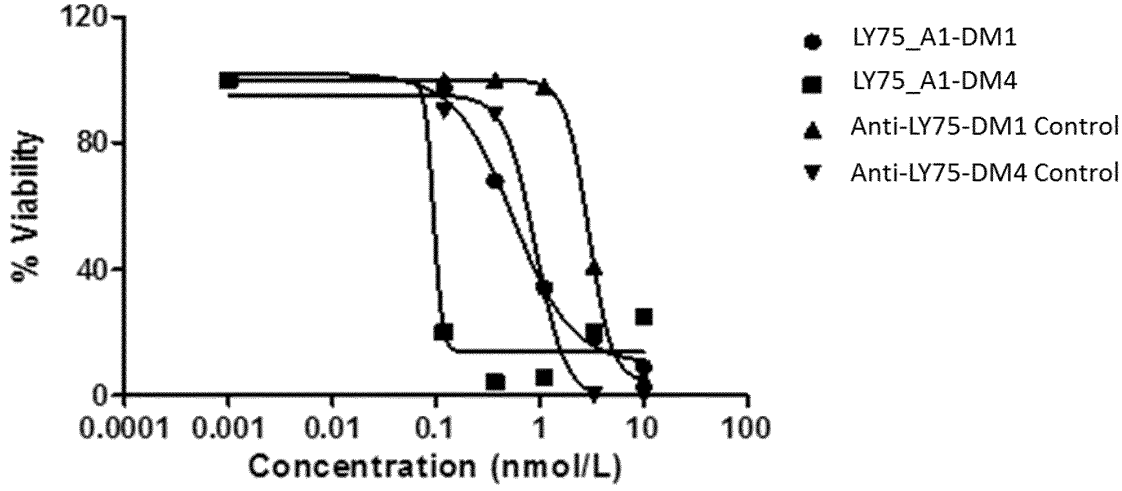

Figure 3h

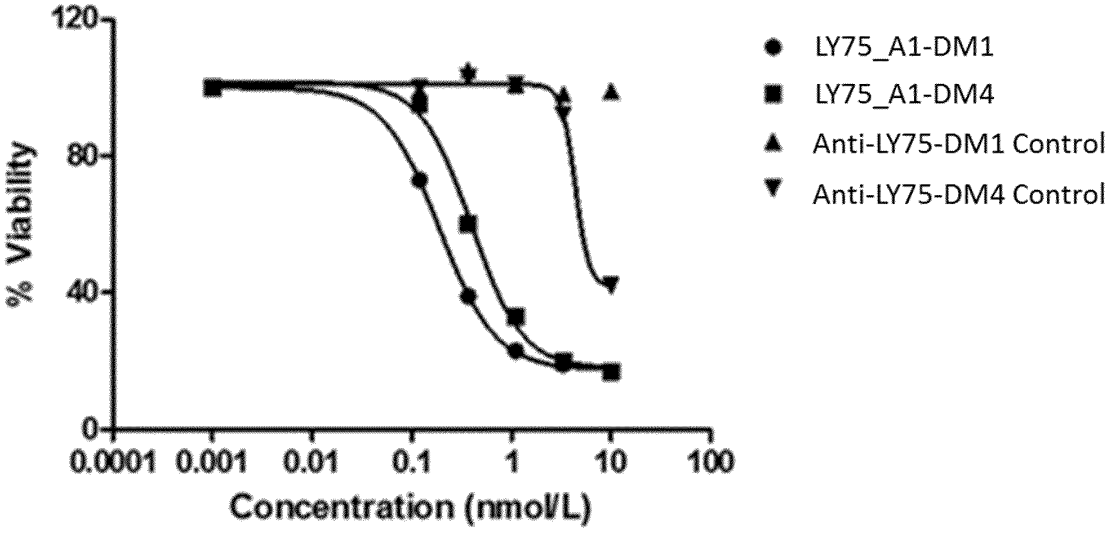

Figure 3i

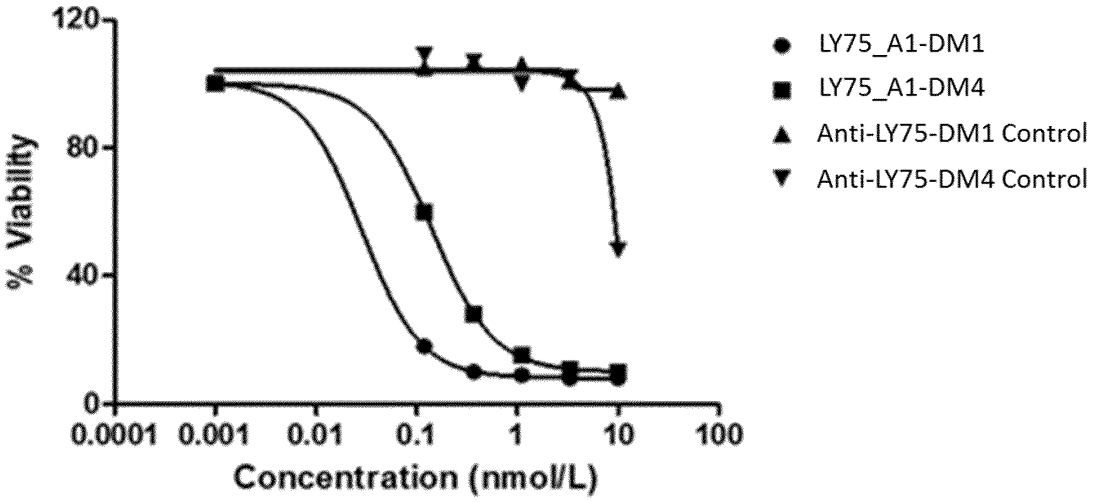

Figure 3j

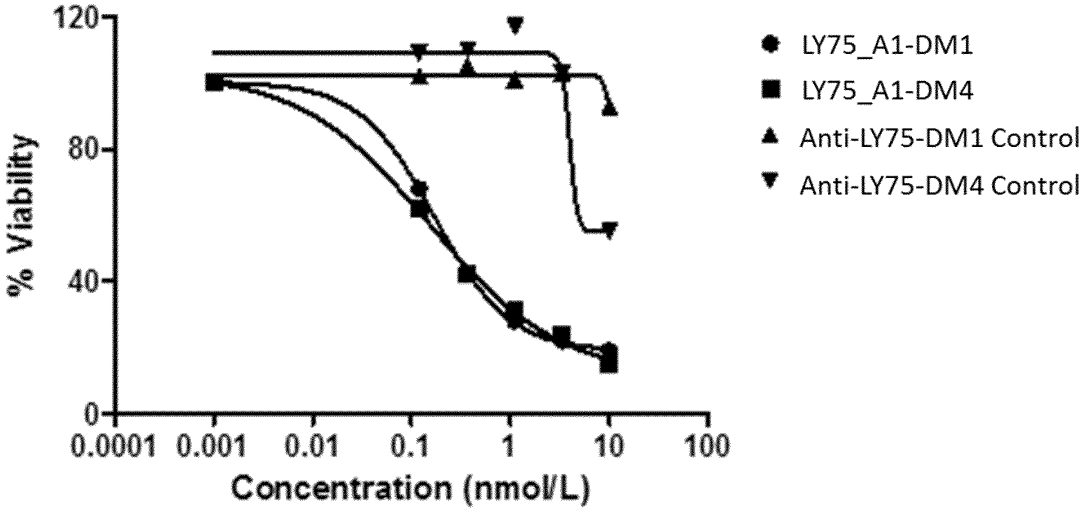

Figure 3k

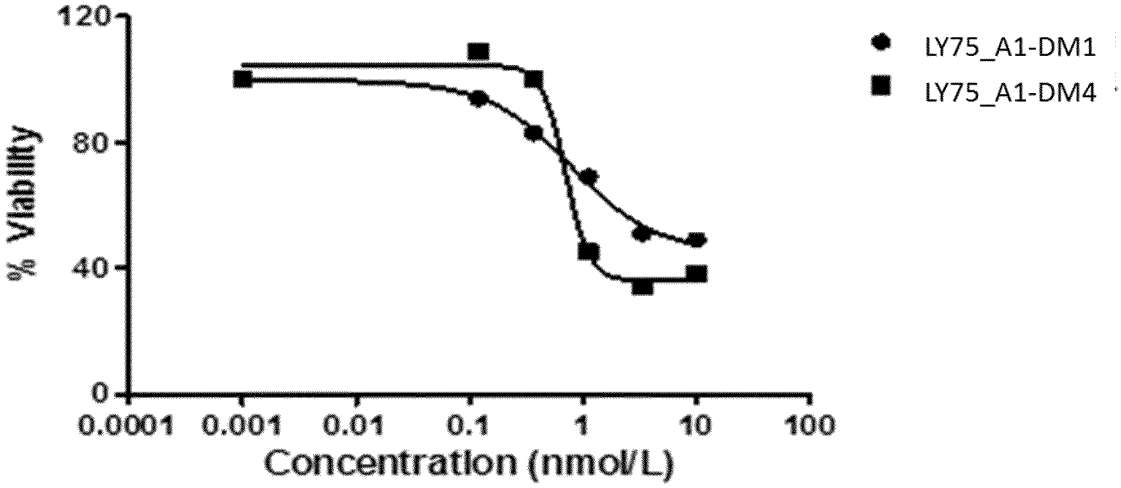

Figure 3l

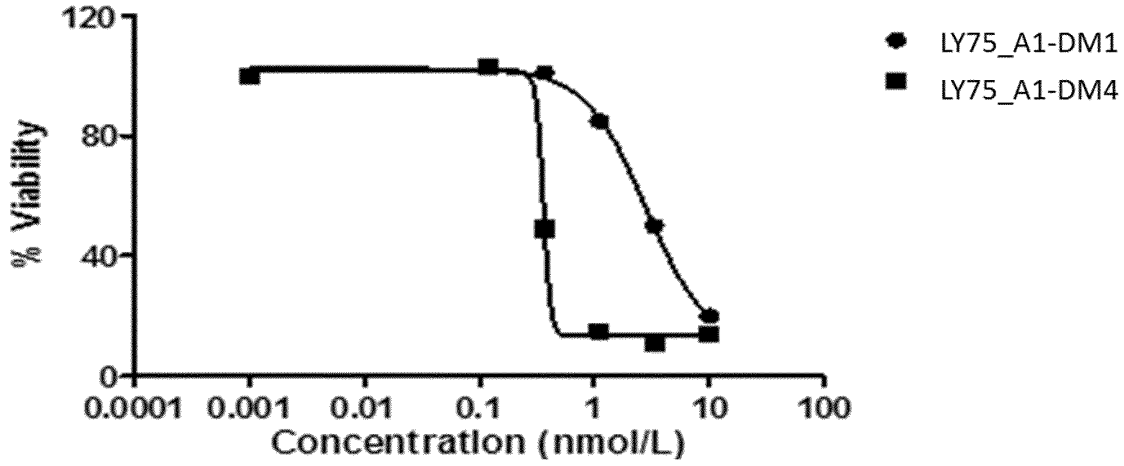

Figure 3m

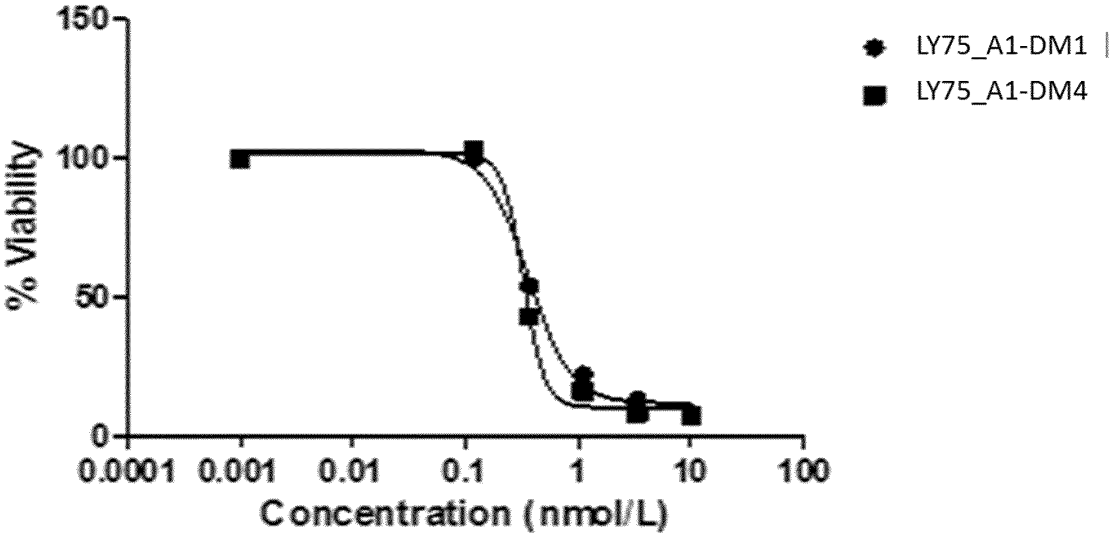

Figure 3n

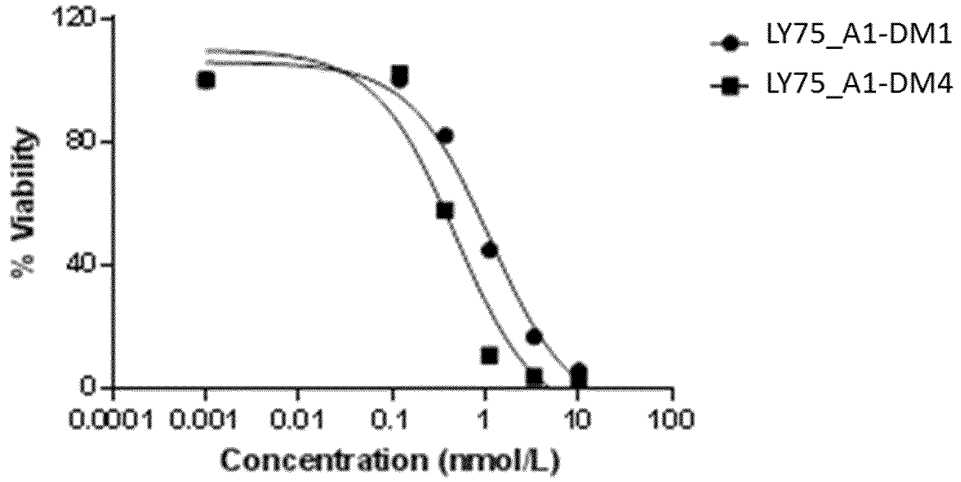

Figure 3o

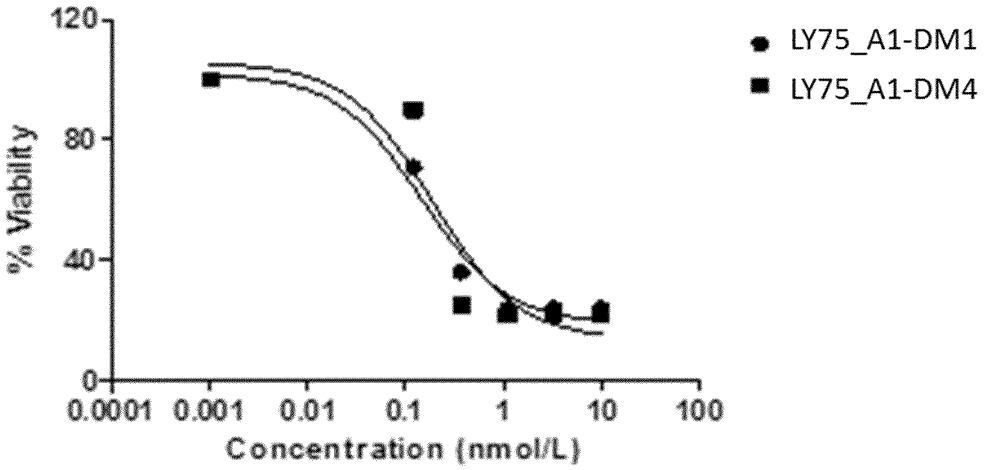

Figure 3p

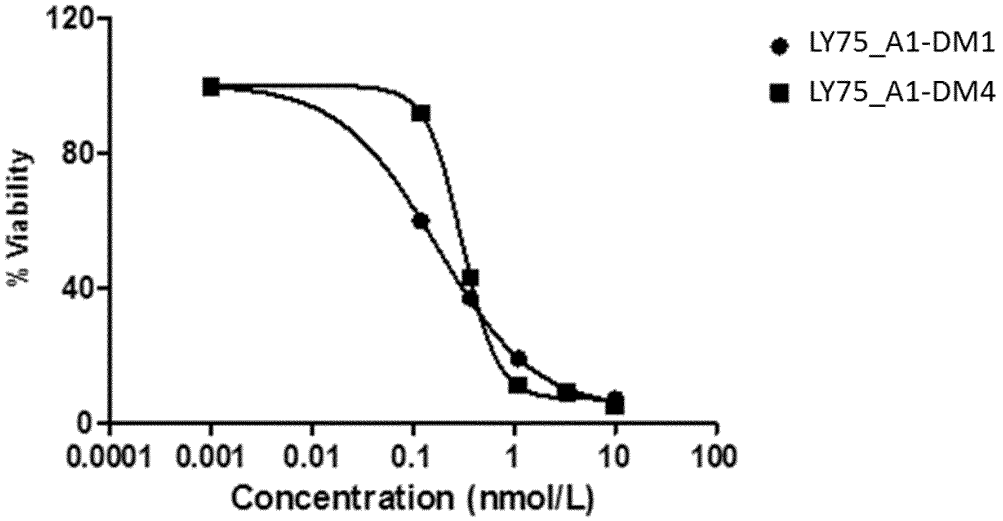

Figure 3q

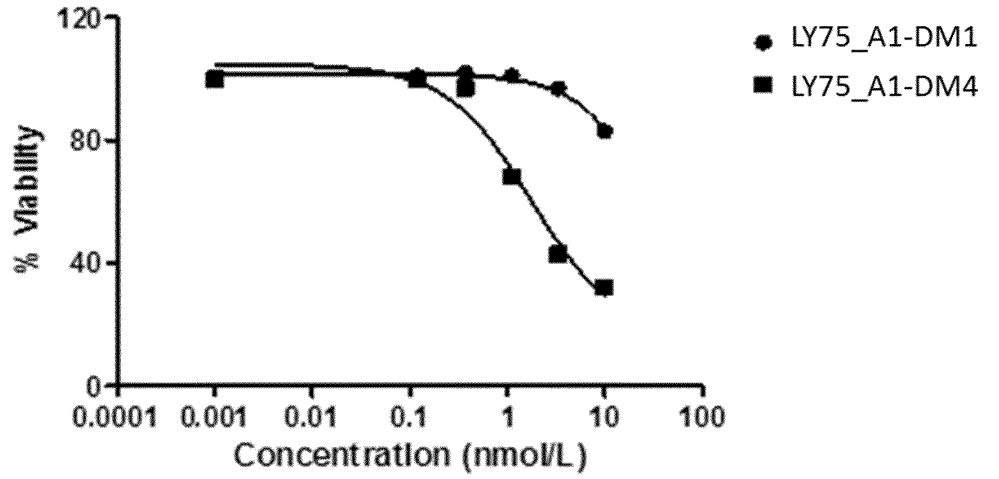

Figure 3r

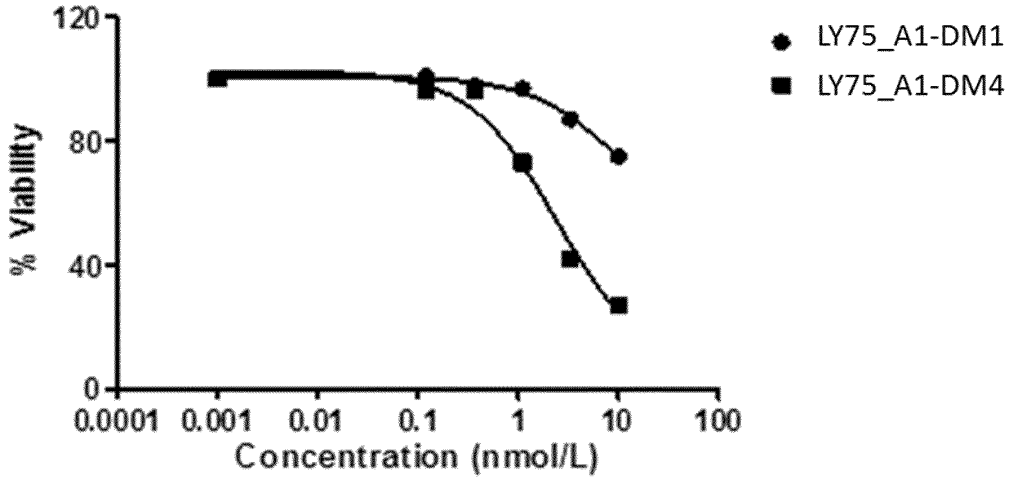

Figure 3s

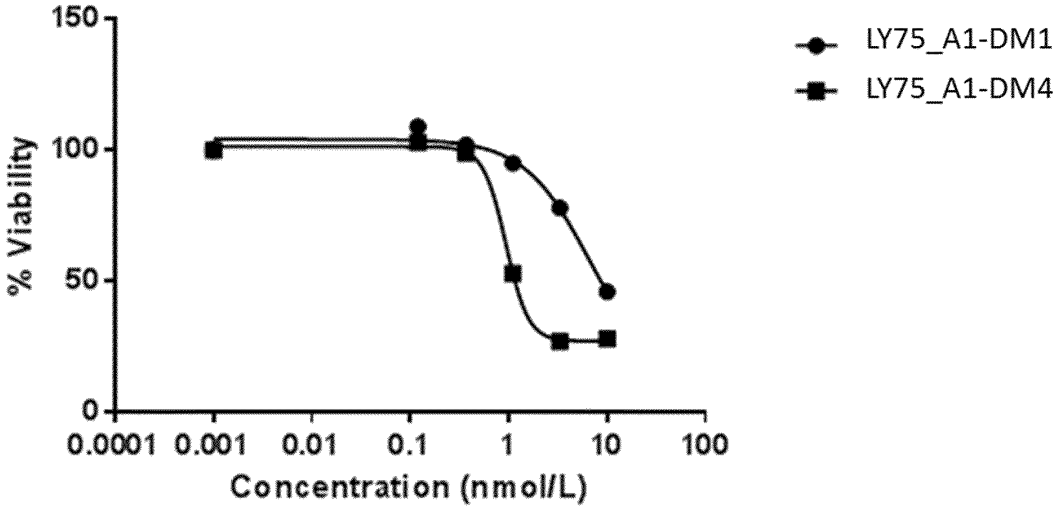

Figure 3t

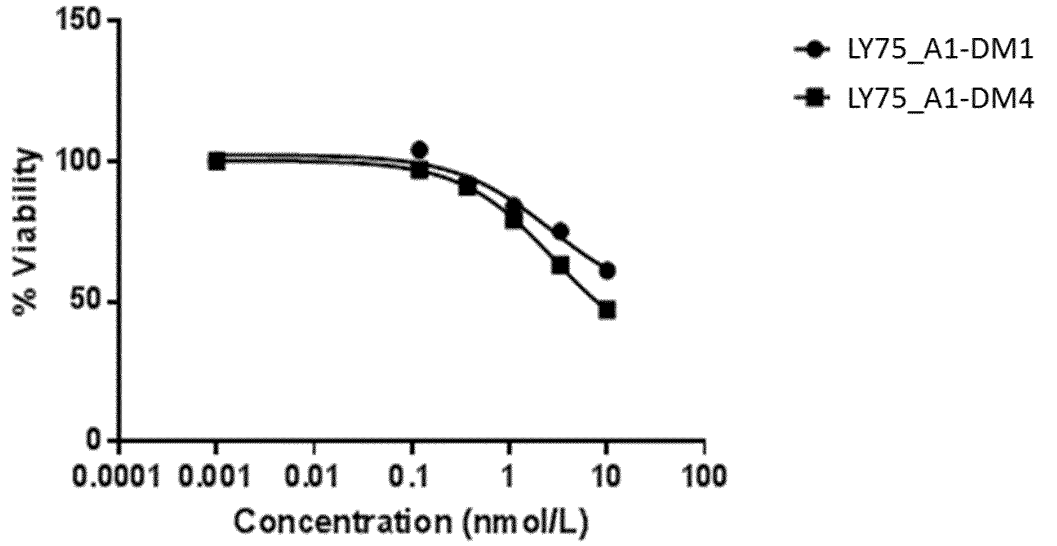

Figure 3u

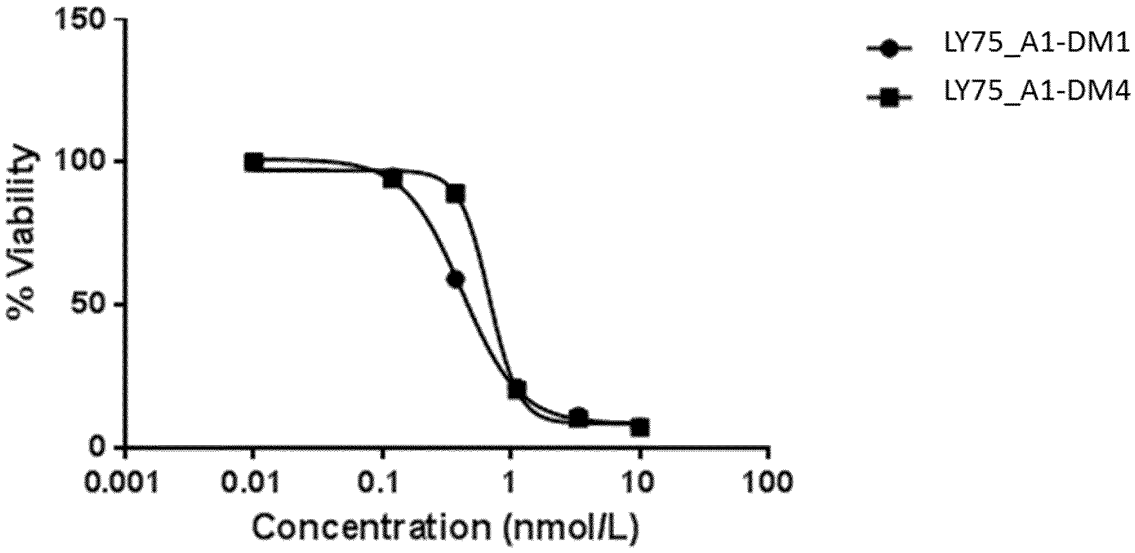

Figure 3v

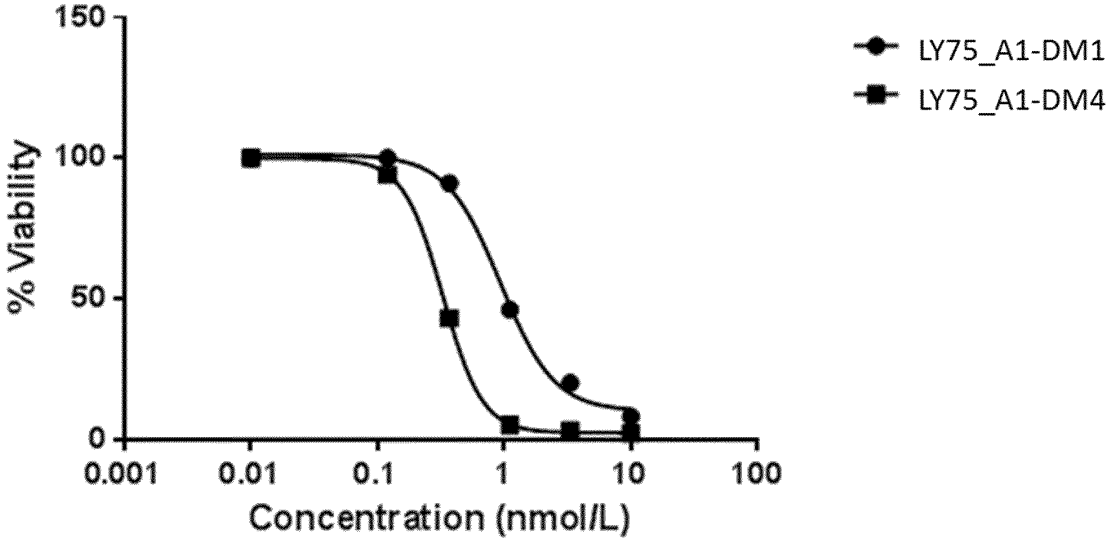

Figure 3w

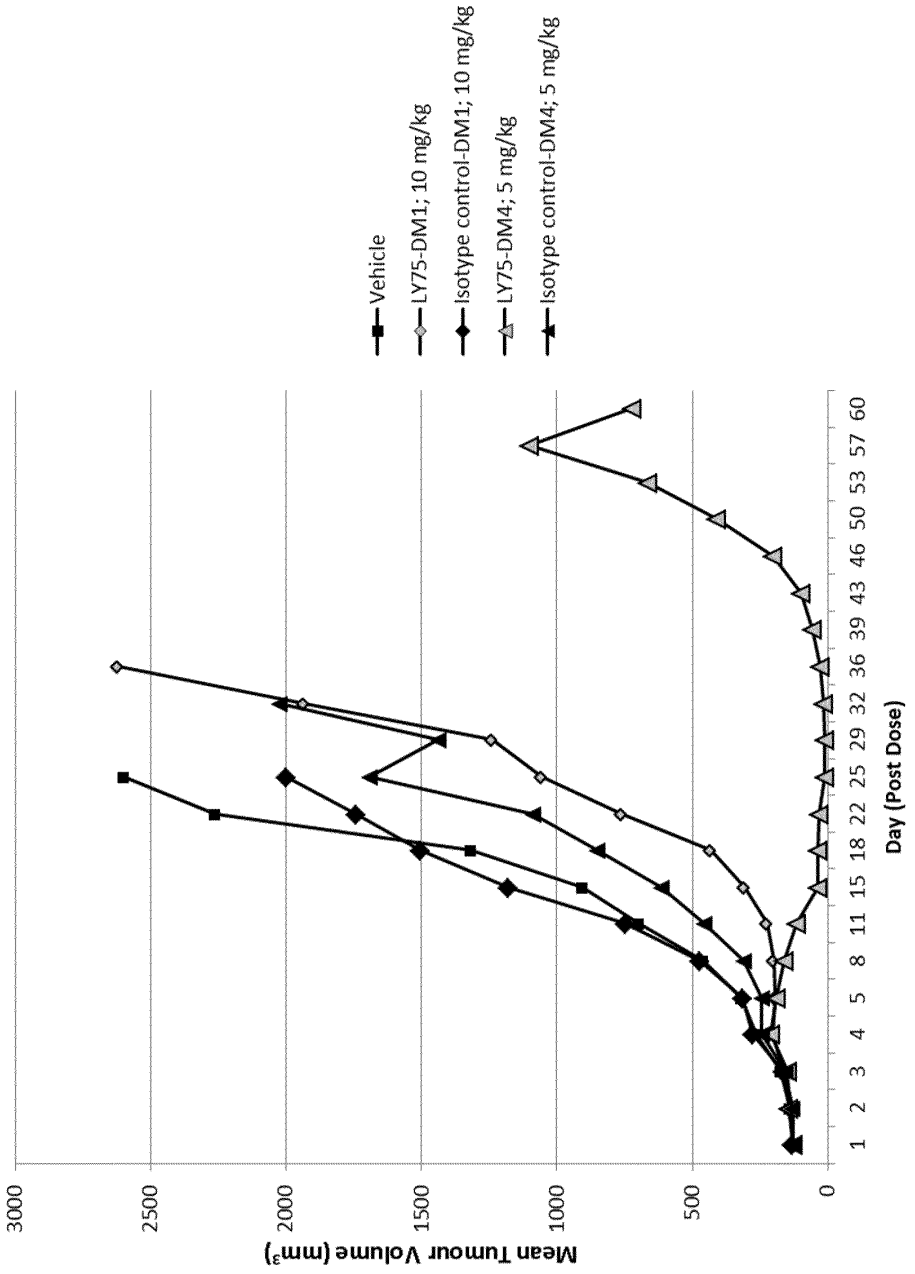
Vehicle
LY75-DM1; 10 mg/kg
Isotype control-DM1; 10 mg/kg
LY75-DM4; 5 mg/kg
Isotype control-DM4; 5 mg/kg
Mean Tumour Volume (mm³)
3000
2500
2000
1500
1000
500
0
1 2 3 4 5 8 11 15 18 22 25 29 32 36 39 43 46 50 53 57 60
Day (Post Dose)

Figure 4a

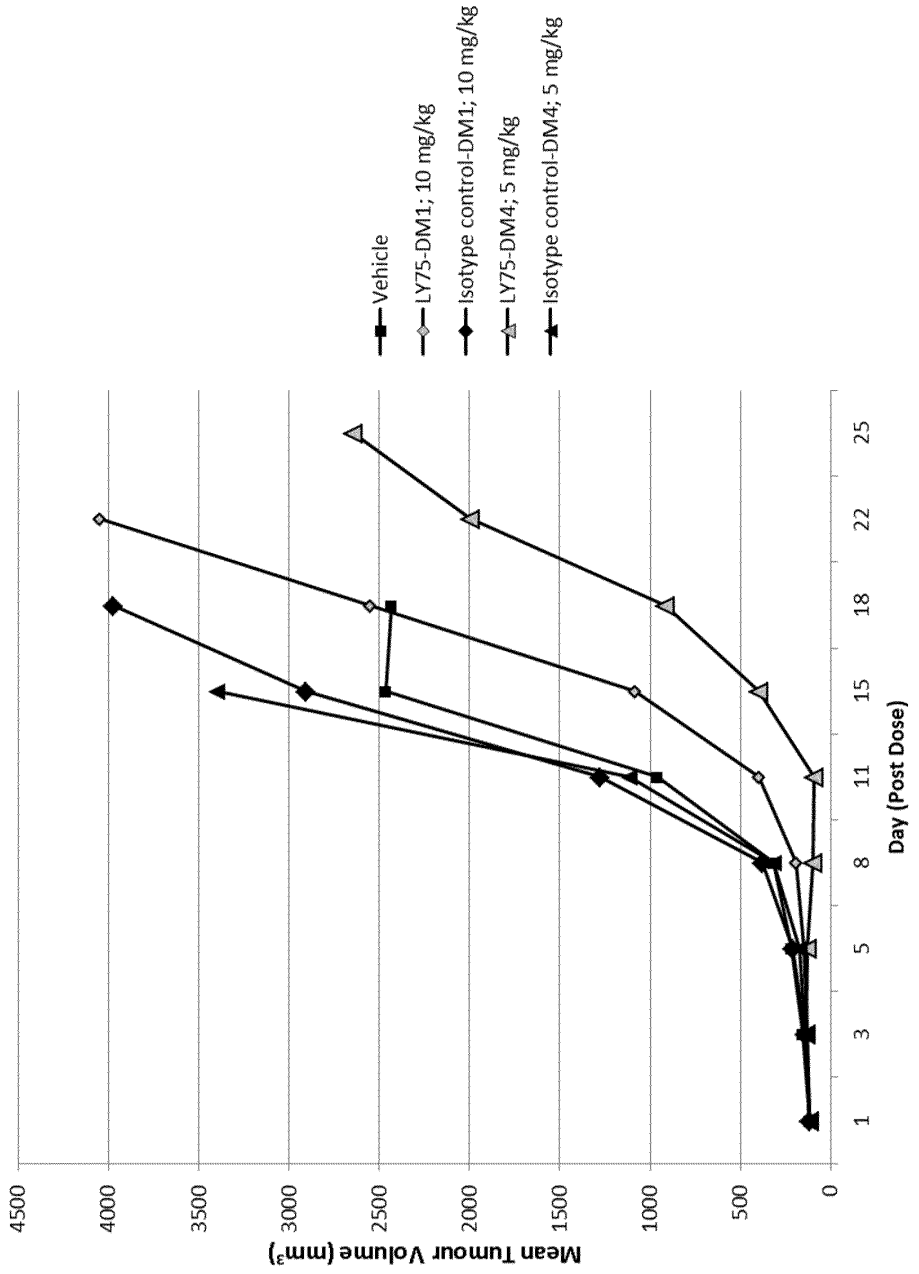
Vehicle
LY75-DM1; 10 mg/kg
Isotype control-DM1; 10 mg/kg
LY75-DM4; 5 mg/kg
Isotype control-DM4; 5 mg/kg
Mean Tumour Volume (mm³)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
1
3
5
8
11
15
18
22
25
Day (Post Dose)

Figure 4b

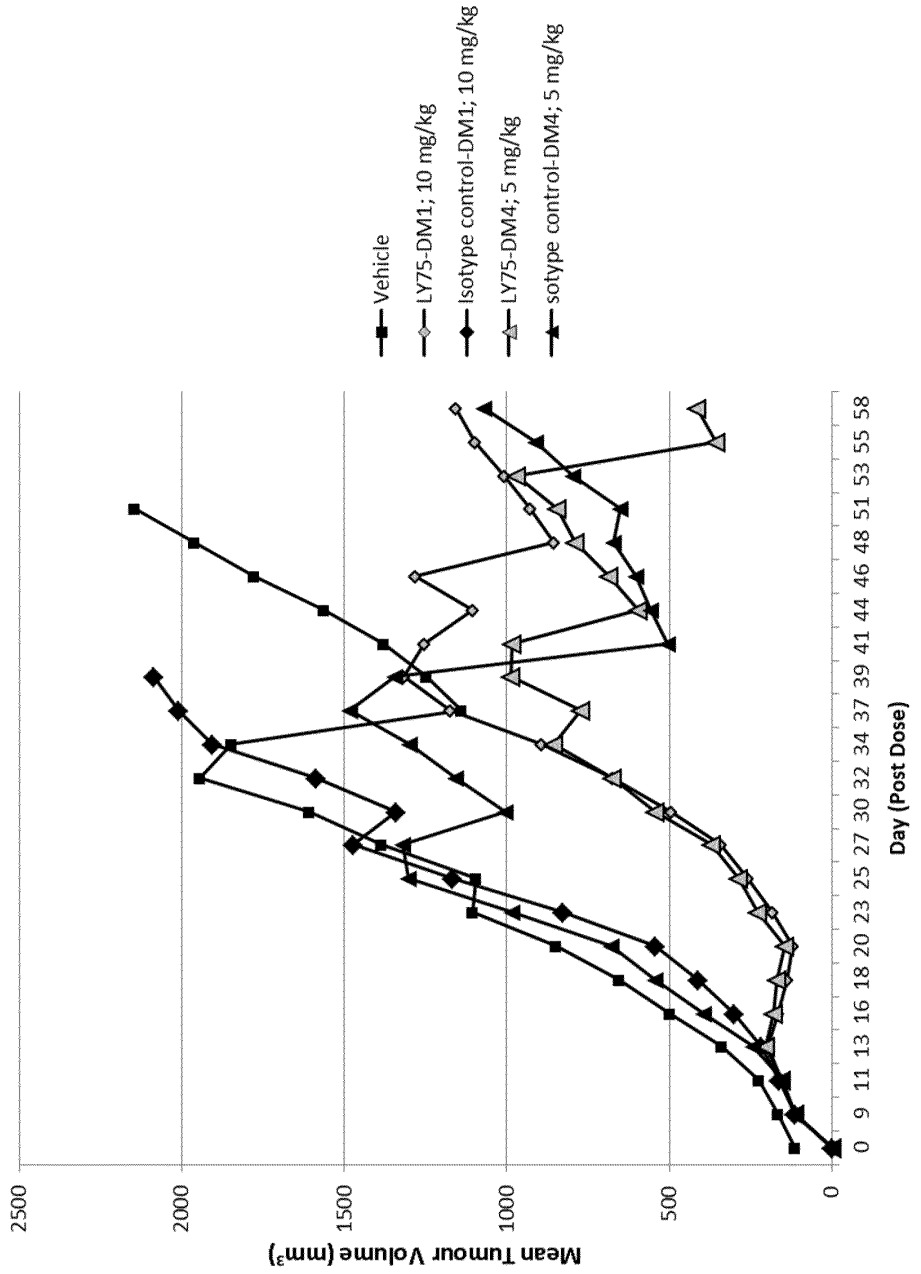
Vehicle
LY75-DM1; 10 mg/kg
Isotype control-DM1; 10 mg/kg
LY75-DM4; 5 mg/kg
sotype control-DM4; 5 mg/kg
Mean Tumour Volume (mm³)
2500
2000
1500
1000
500
0
0 9 11 13 16 18 20 23 25 27 30 32 34 37 39 41 44 46 48 51 53 55 58
Day (Post Dose)

Figure 4c

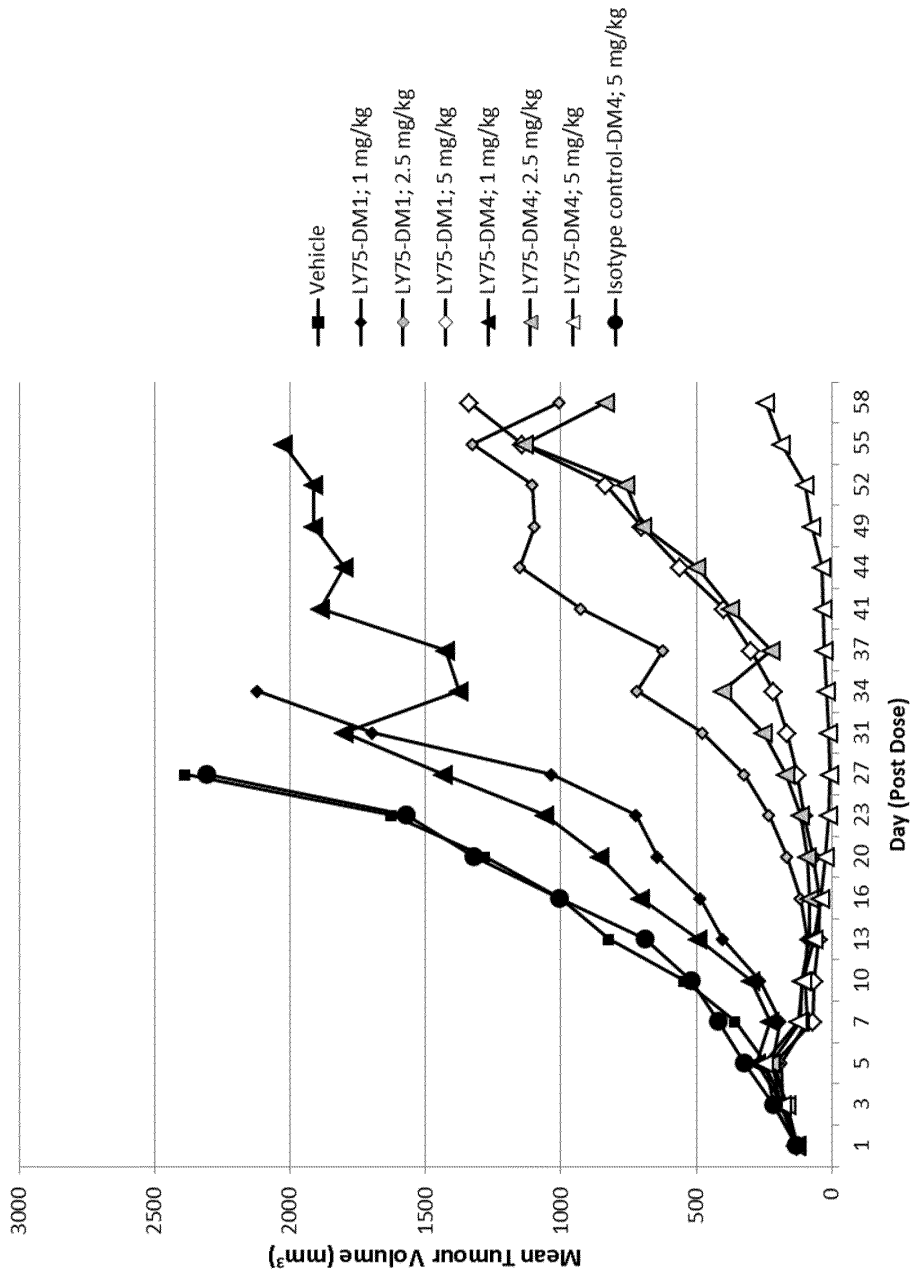
Vehicle
LY75-DM1; 1 mg/kg
LY75-DM1; 2.5 mg/kg
LY75-DM1; 5 mg/kg
LY75-DM4; 1 mg/kg
LY75-DM4; 2.5 mg/kg
LY75-DM4; 5 mg/kg
Isotype control-DM4; 5 mg/kg
Mean Tumour Volume (mm³)
3000
2500
2000
1500
1000
500
0
1 3 5 7 10 13 16 20 23 27 31 34 37 41 44 49 52 55 58
Day (Post Dose)

Figure 4d

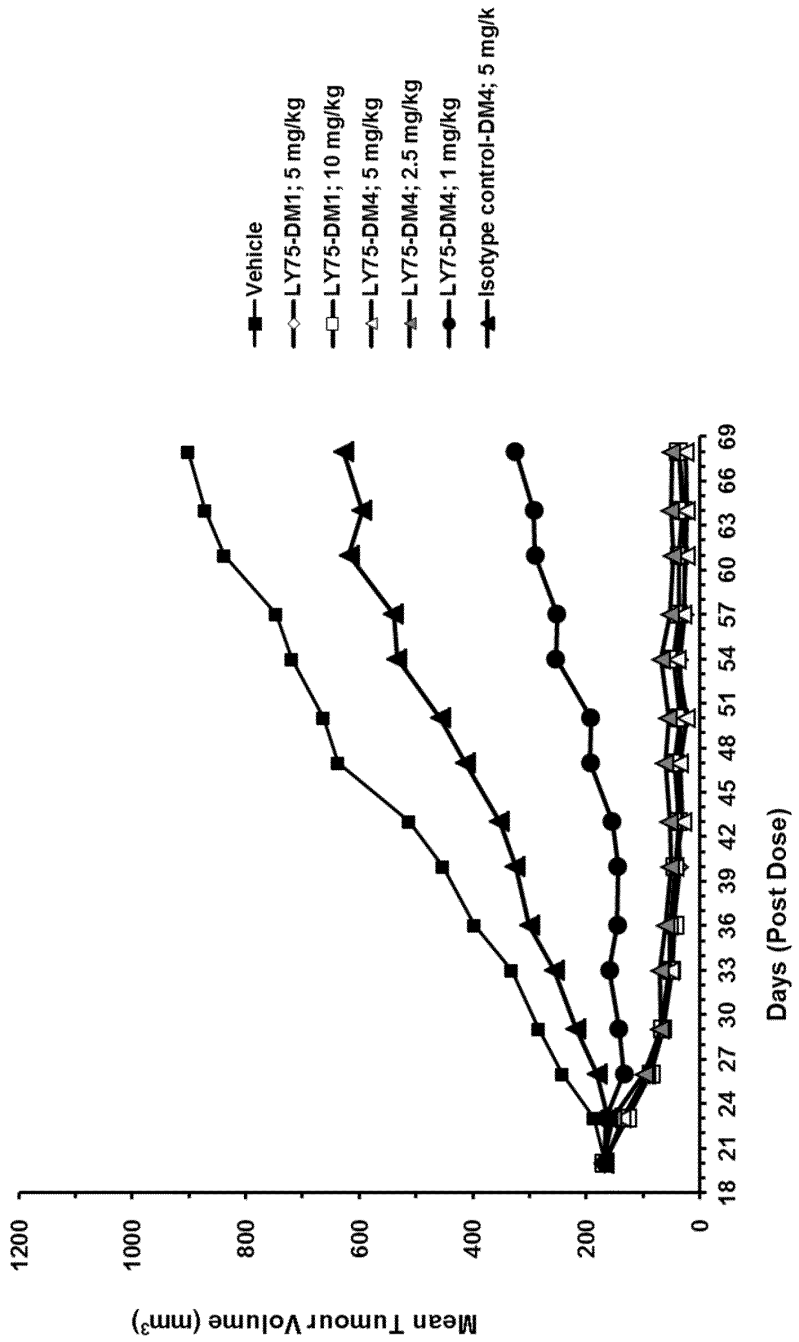
Vehicle
LY75-DM1; 5 mg/kg
LY75-DM1; 10 mg/kg
LY75-DM4; 5 mg/kg
LY75-DM4; 2.5 mg/kg
LY75-DM4; 1 mg/kg
Isotype control-DM4; 5 mg/k
Mean Tumour Volume (mm³)
1200
1000
800
600
400
200
0
18 21 24 27 30 33 36 39 42 45 48 51 54 57 60 63 66 69
Days (Post Dose)

Figure 4e

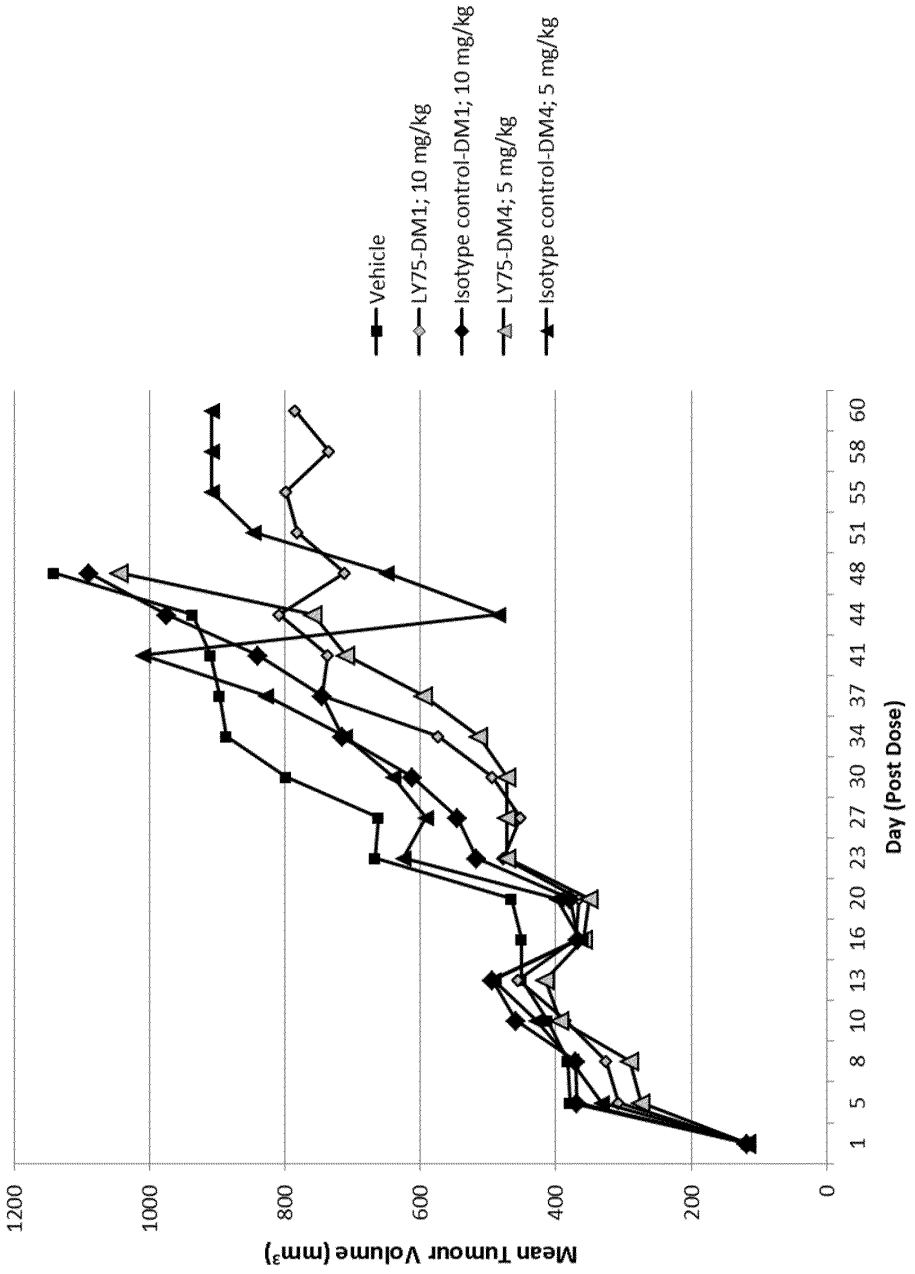
Vehicle
LY75-DM1; 10 mg/kg
Isotype control-DM1; 10 mg/kg
LY75-DM4; 5 mg/kg
Isotype control-DM4; 5 mg/kg
Mean Tumour Volume (mm³)
0
200
400
600
800
1000
1200
Day (Post Dose)
1
5
8
10
13
16
20
23
27
30
34
37
41
44
48
51
55
58
60

Figure 4f

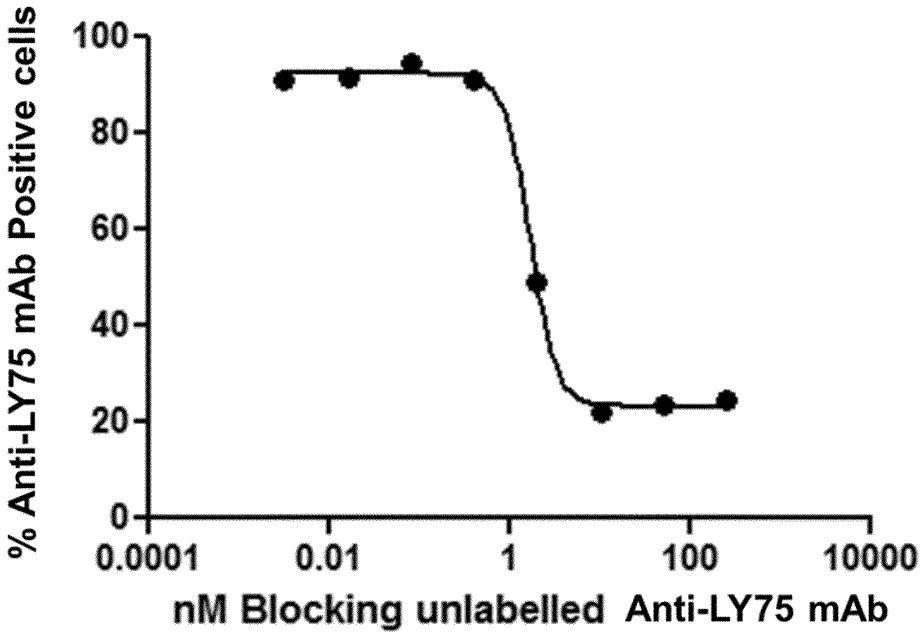

Figure 5a

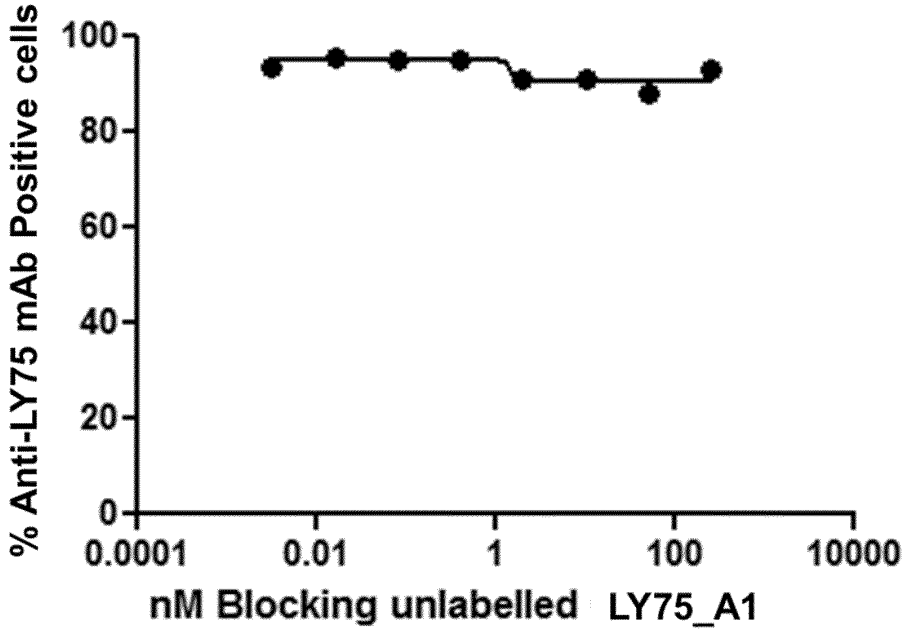

Figure 5b

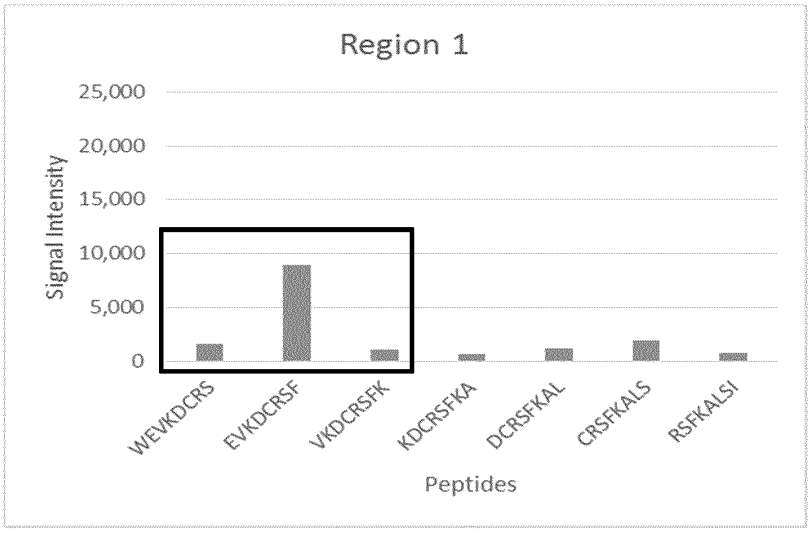

Figure 6a

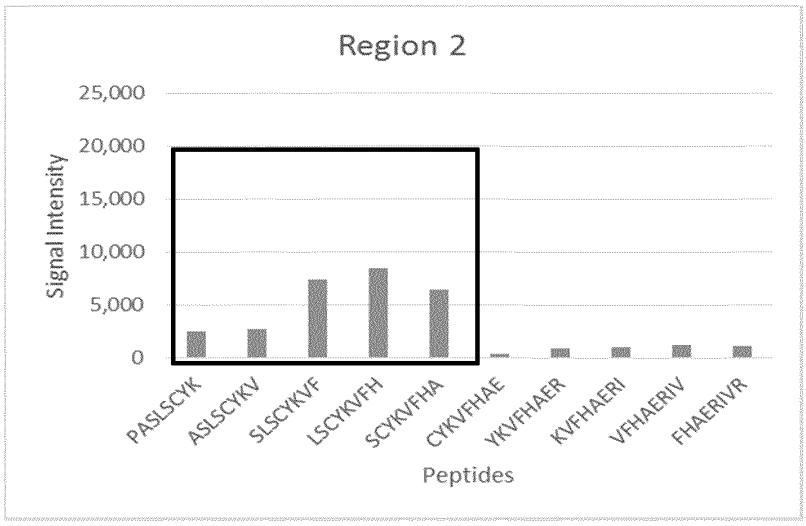

Figure 6b

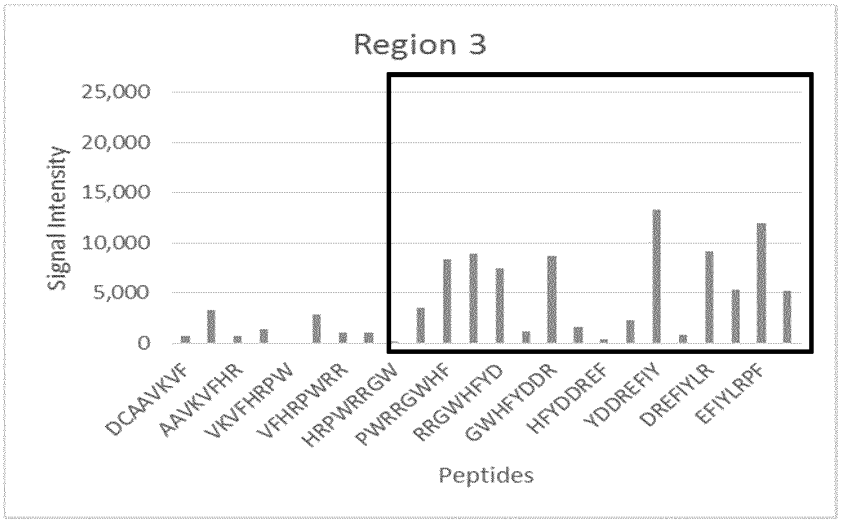

Figure 6c

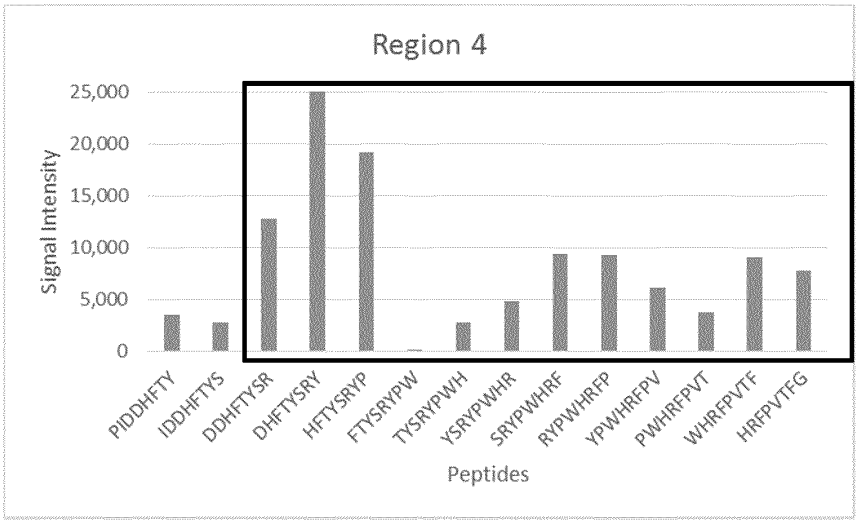

Figure 6d

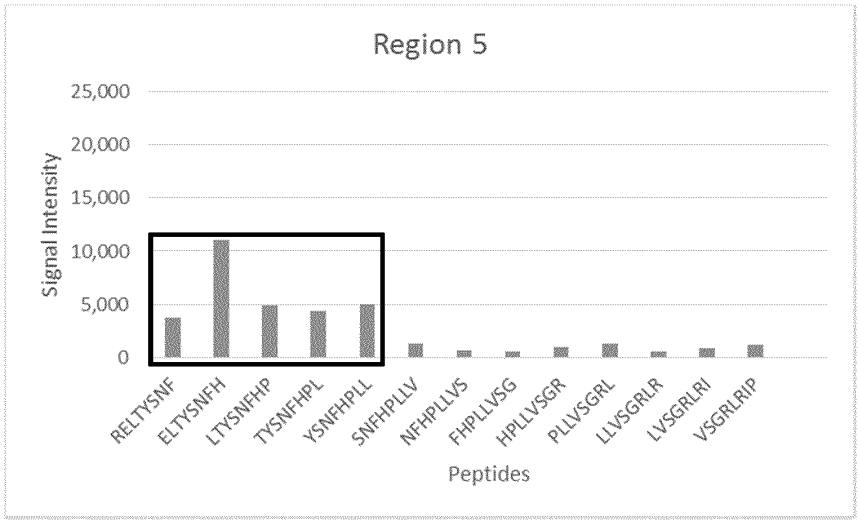

Figure 6e

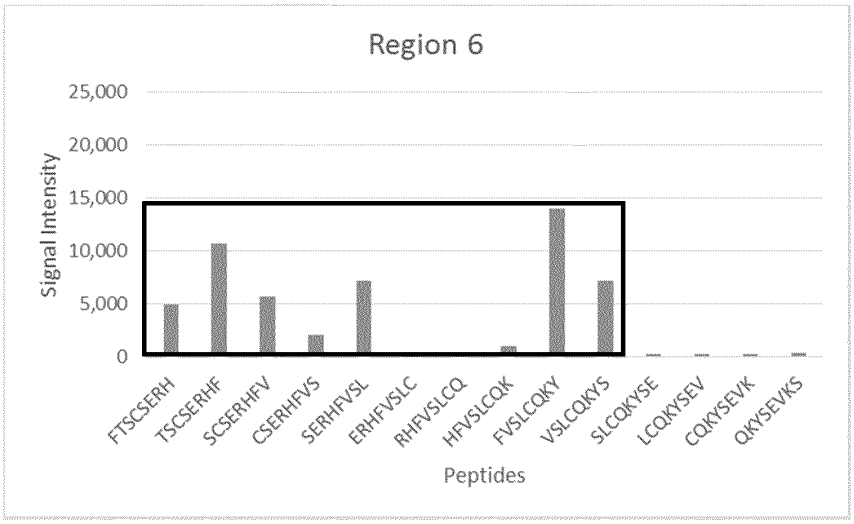

Figure 6f

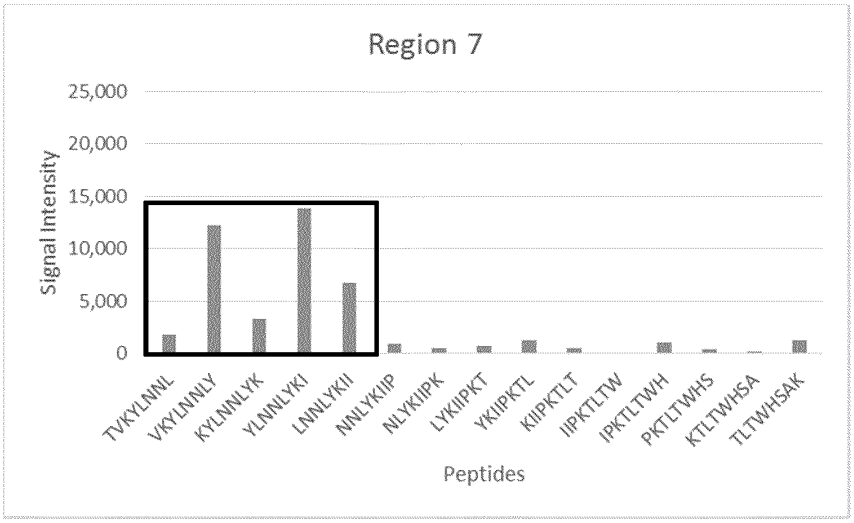

Figure 6g

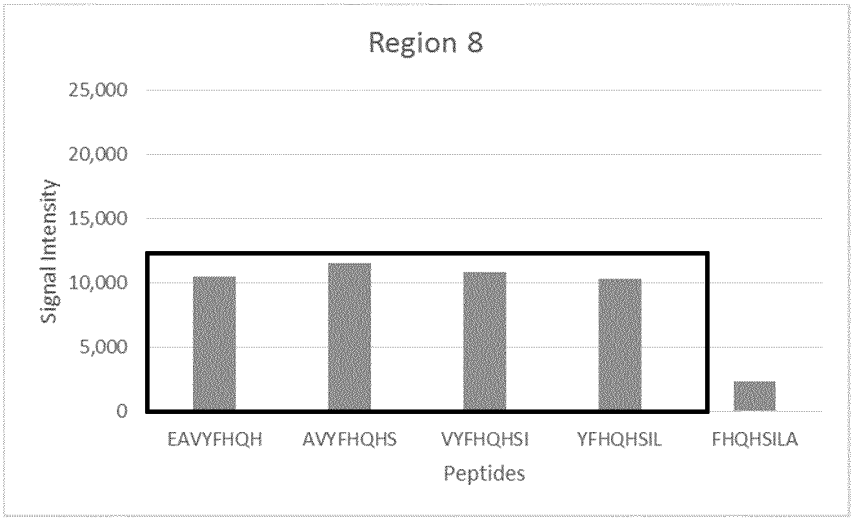

Figure 6h

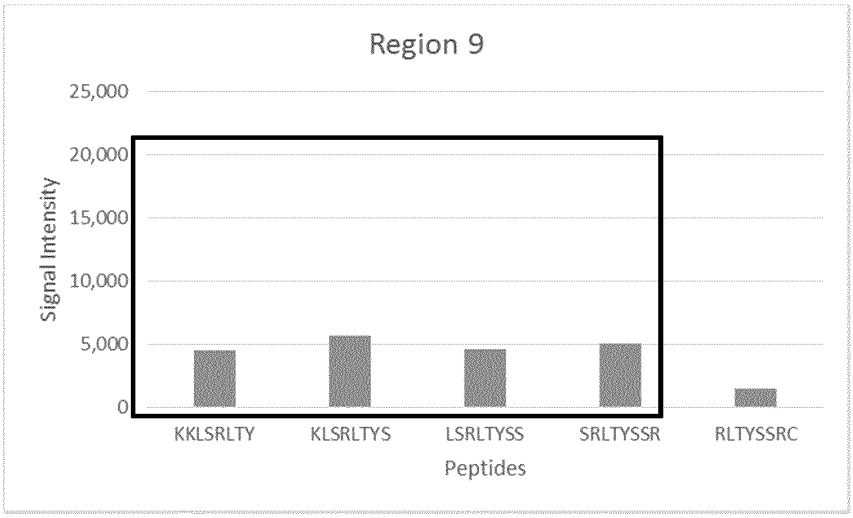

Figure 6i

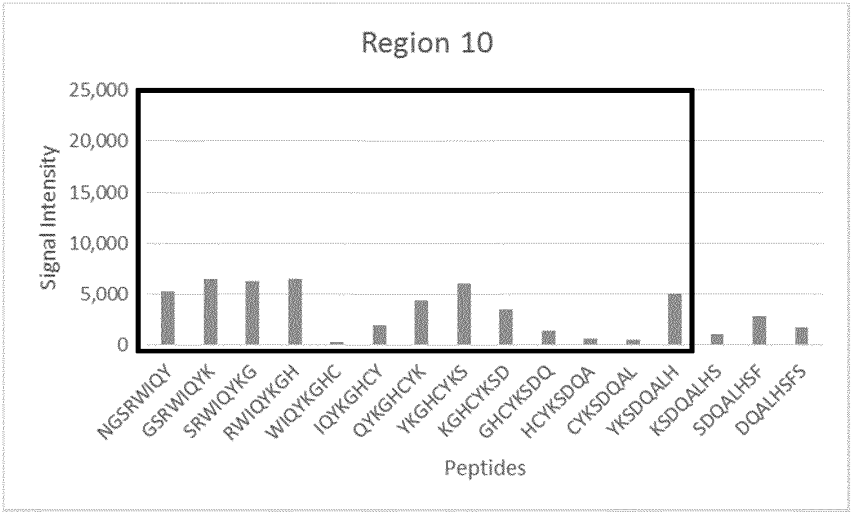

Figure 6j

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               ------------------------------------------------------------
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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
                                                                  ********

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------------
MS-Peptides_Elute2a      ------------------------------------------------------------
MS-Peptides_Elute2b      ------------------------------------------------------------
LC-Peptides              --------RELTYSNFHPLL-----------------------------------FTSC

sp|O60449|LY75_HUMAN     SERHFVSLCQKYSEVKSRQTLQNASETVKYLNNLYKIIPKTLTWHSAKRECLKSNMQLVS 1140
MS-Peptides_Elute1a      ---HFVSLCQK-------QTLQNASETVK-----------TLTWHSAK------------
MS-Peptides_Elute1b      ---HFVSLCQK-------QTLQNASETVK-----------TLTWHSAK------------
MS-Peptides_Elute2a      ------------------------------------------------------------
MS-Peptides_Elute2b      ------------------------------------------------------------
LC-Peptides              SERHFVSLCQKYS-------------TVKYLNNLYKII----------------------
                            ********              ***

sp|O60449|LY75_HUMAN     ITDPYQQAFLSVQALLHNSSLWIGLFSQDDELNFGWSDGKRLHFSRWAETNGQLEDCVVL 1200
MS-Peptides_Elute1a      ------------------------------------------------------------
MS-Peptides_Elute1b      ------------------------------------------------------------
MS-Peptides_Elute2a      ------------------------------------------------------------
MS-Peptides_Elute2b      ------------------------------------------------------------
LC-Peptides              ------------------------------------------------------------

sp|O60449|LY75_HUMAN     DTDGFWKTVDCNDNQPGAICYYSGNETEKEVKPVDSVKCPSPVLNTPWIPFQNCCYNFII 1260
MS-Peptides_Elute1a      ------------------------------------------------------------
MS-Peptides_Elute1b      ------------------------------------------------------------
MS-Peptides_Elute2a      ------------------------------------------------------------
MS-Peptides_Elute2b      ------------------------------------------------------------
LC-Peptides              ------------------------------------------------------------

sp|O60449|LY75_HUMAN     TKNRHMATTQDEVHTKCQKLNPKSHILSIRDEKENNFVLEQLLYFNYMASWVMLGITYRN 1320
MS-Peptides_Elute1a      ----------------------SHILSIR------------------------------
MS-Peptides_Elute1b      --NRHMATTQDEVHTK-------SHILSIR------------------------------
MS-Peptides_Elute2a      ------------------------------------------------------------
MS-Peptides_Elute2b      ------------------------------------------------------------
LC-Peptides              ------------------------------------------------------------

sp|O60449|LY75_HUMAN     KSLMWFDKTPLSYTHWRAGRPTIKNEKFLAGLSTDGFWDIQTFKVIEEAVYFHQHSILAC 1380
MS-Peptides_Elute1a      -SLMWFDKTPLSYTHWR--------------------------------------------
MS-Peptides_Elute1b      -SLMWFDK-----------------------------------------------------
MS-Peptides_Elute2a      -SLMWFDK-----------------------------------------------------
MS-Peptides_Elute2b      ------------------------------------------------------------
LC-Peptides              ---------------------------------------------EAVYFHQHSIL--

sp|O60449|LY75_HUMAN     KIEMVDYKEEYNTTLPQFMPYEDGIYSVIQKKVTWYEALNMCSQSGGHLASVHNQNGQLF 1440
MS-Peptides_Elute1a      ------------------------------------------------------------
MS-Peptides_Elute1b      ------------------------------------------------------------
MS-Peptides_Elute2a      ------------------------------------------------------------
MS-Peptides_Elute2b      ------------------------------------------------------------
LC-Peptides

sp|O60449|LY75_HUMAN     LEDIVKRDGFPLWVGLSSHDGSESSFEWSDGSTFDYIPWKGQTSPGNCVLLDPKGTWKHE 1500
MS-Peptides_Elute1a      ------------------------------------------------------------
MS-Peptides_Elute1b      ------------------------------------------------------------
MS-Peptides_Elute2a      ------------------------------------------------------------
MS-Peptides_Elute2b      ------------------------------------------------------------
LC-Peptides              ------------------------------------------------------------
```

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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               -------------------------------------------
```

Figure 8A

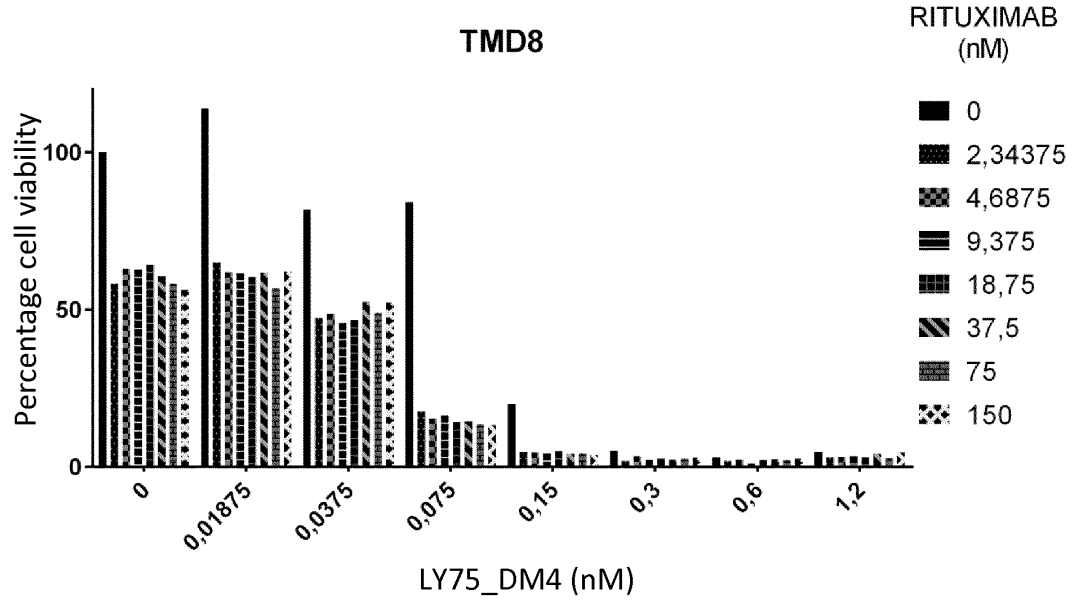


Figure 8B

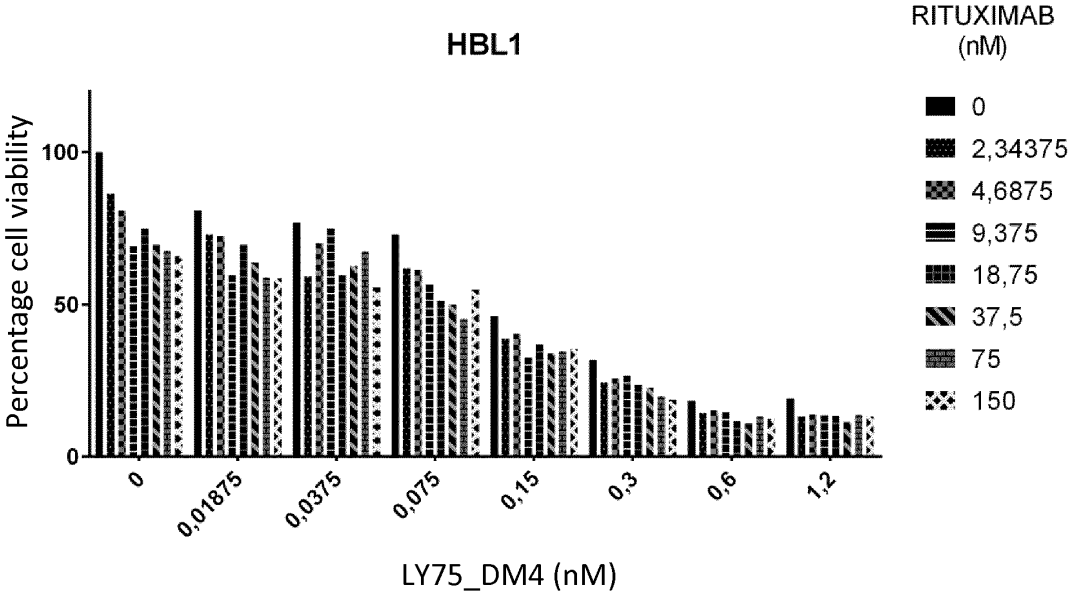
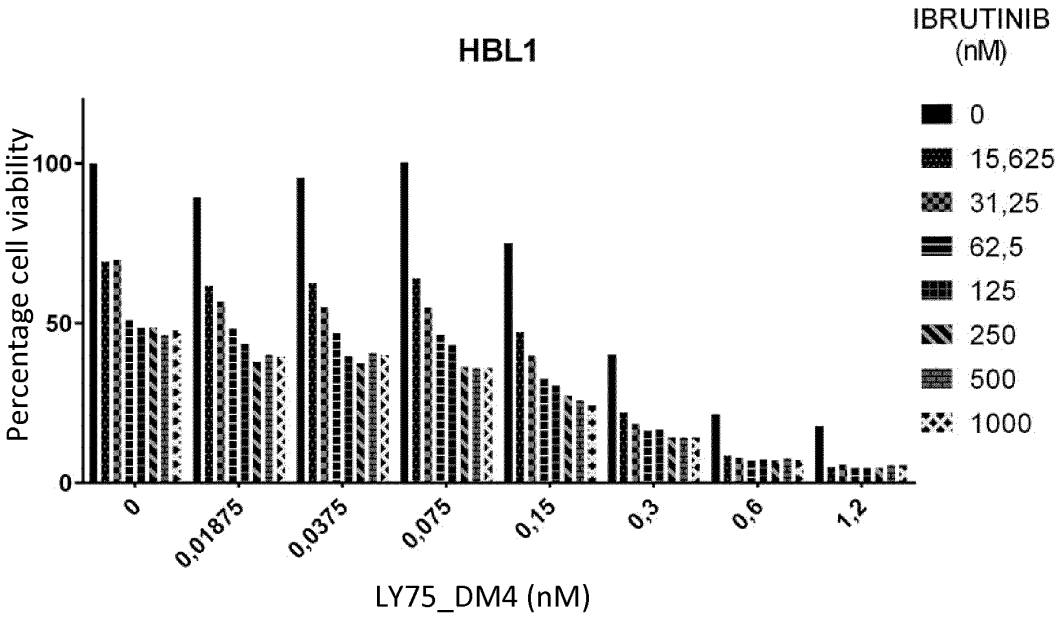


Figure 9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IBRUTINIB (nM)
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15,625
31,25
62,5
125
250
500
1000
Percentage cell viability
100
50
0
0
0,01875
0,0375
0,075
0,15
0,3
0,6
1,2
LY75_DM4 (nM)