

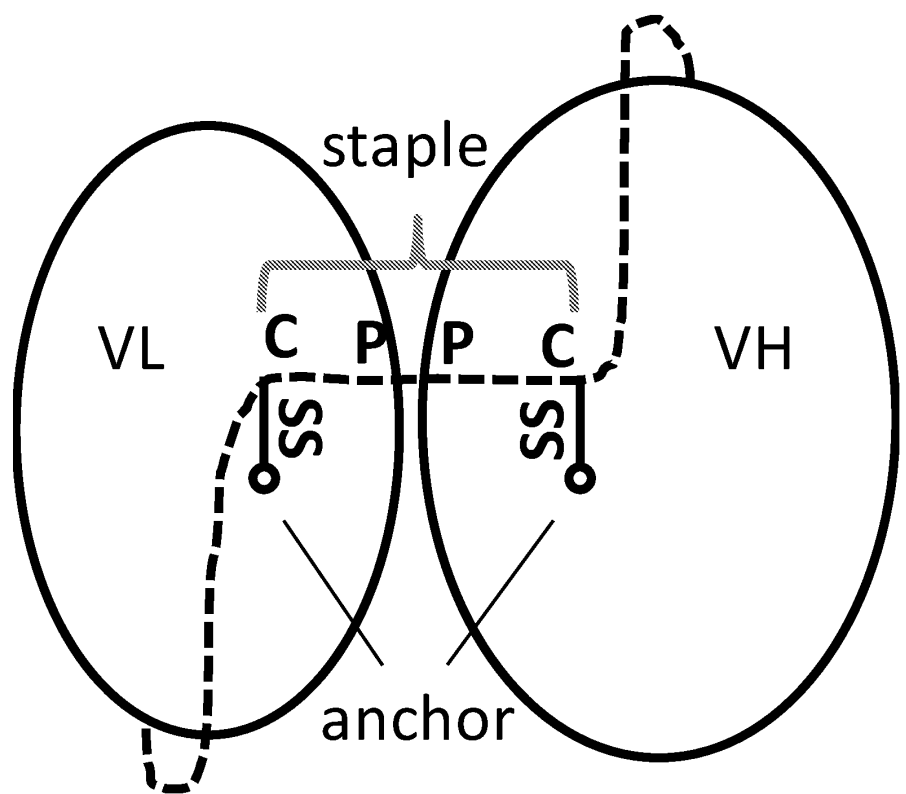


FIG. 1

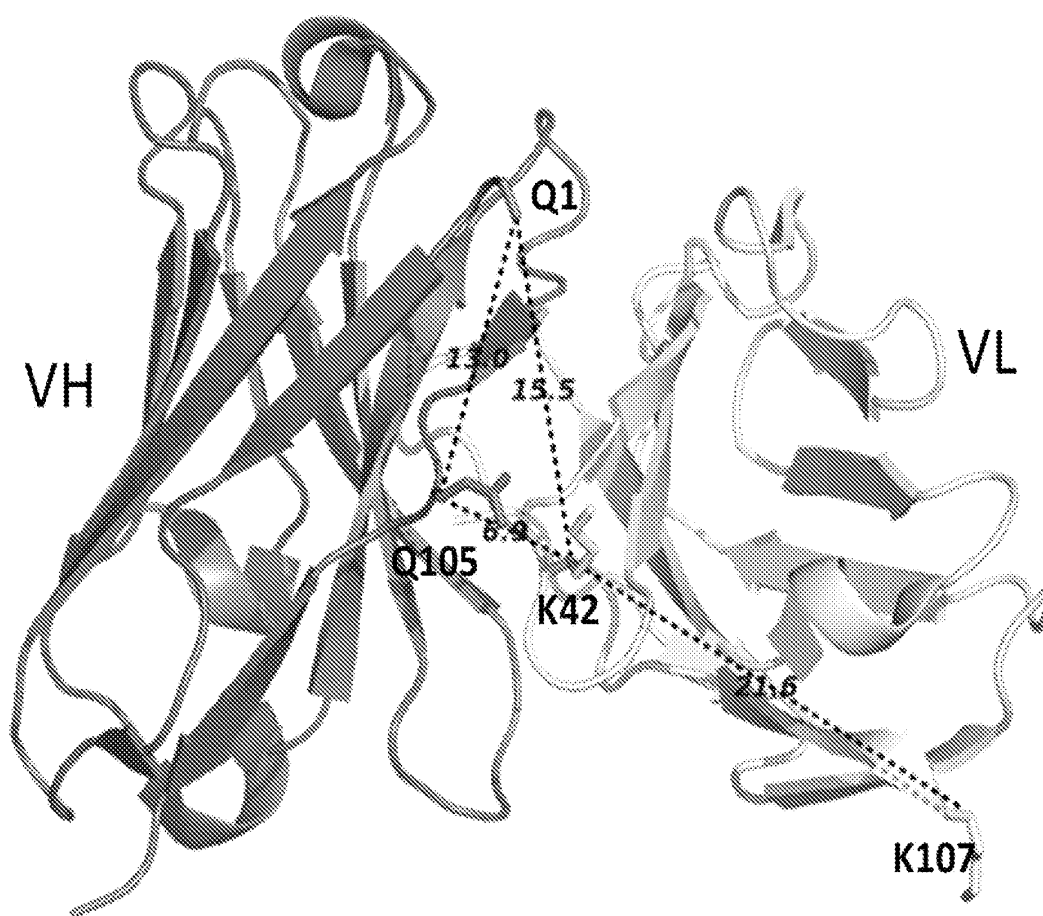
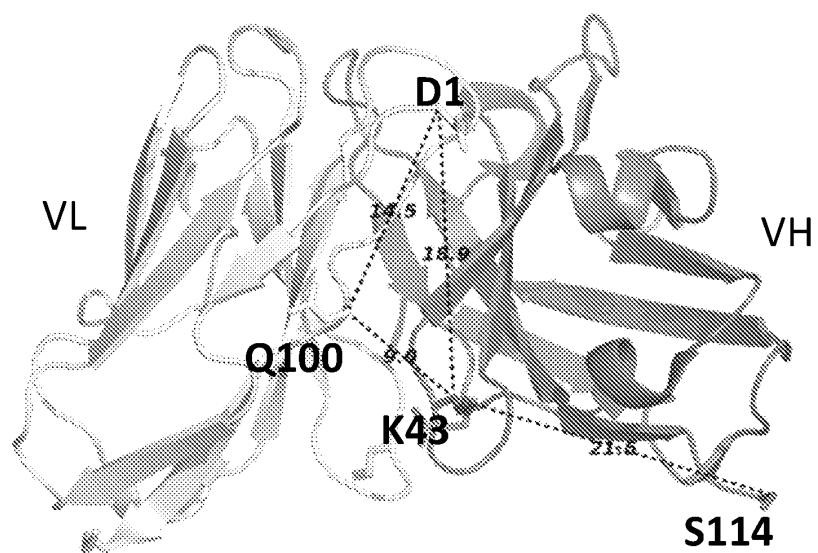
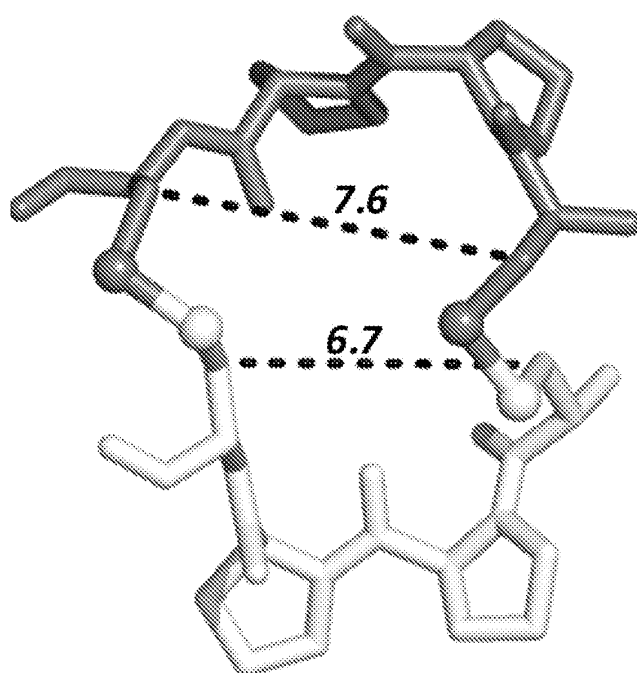
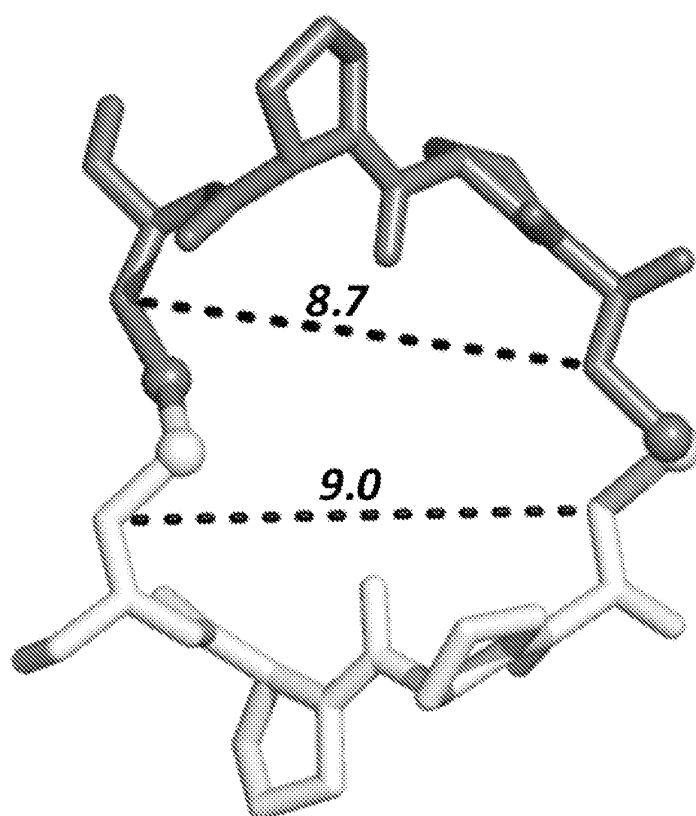


FIG. 2



**FIG. 3**

**FIG. 4**



**FIG. 5**

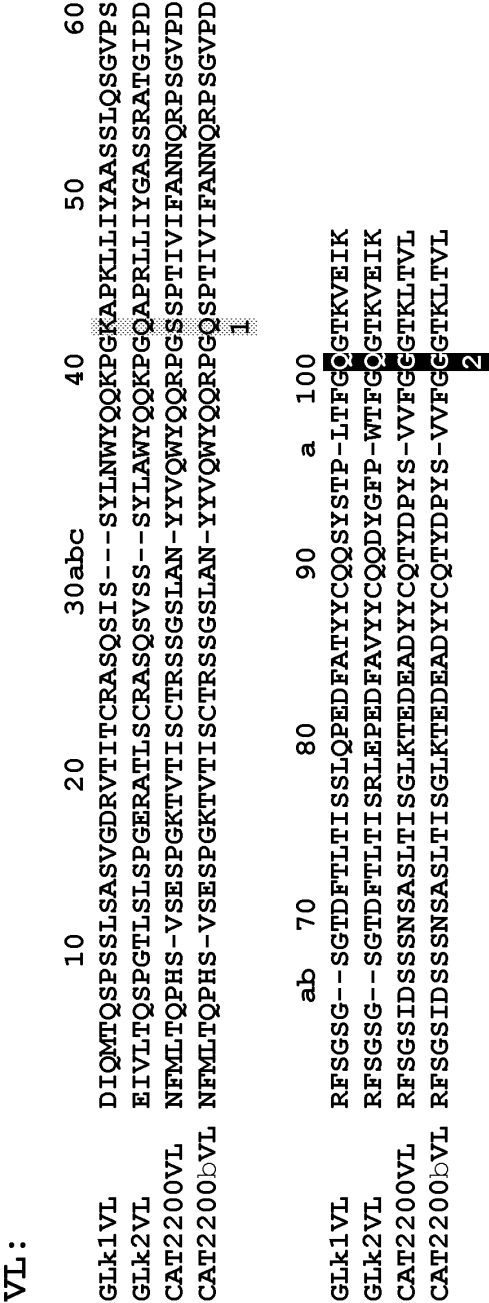


FIG. 6

|                         |  |                                               |                          |                            |               |        |    |     |    |
|-------------------------|--|-----------------------------------------------|--------------------------|----------------------------|---------------|--------|----|-----|----|
| VH:                     |  | 10                                            | 20                       | 30                         | ab            | 40     | 50 | abc | 60 |
| GLk1VH                  |  | EVQLLESGGGLVQPGGSLRLS                         | CAASGFTFS--YAMSWVRQAPGK  | GLEWVSAISG--SGGSTYYA       |               |        |    |     |    |
| GLk2VH                  |  | EVQLVQSGAEVKKPGESLKISCKGSGYSFTS--YWISWVRQMPGK | GLEWVGIIIDP--SDSDTRY     | S                          |               |        |    |     |    |
| CAT2200 <sup>a</sup> VH |  | EVQLLESGGGLVQPGGSLRLS                         | CAASGFGFSS--YAMSWVRQAPGK | GLEWVSAISG--SGGSTYYA       |               |        |    |     |    |
|                         |  |                                               |                          |                            |               |        |    |     | 2  |
| GLk1VH                  |  | DSVKGRFTISRDN                                 | SKNTLYLQMN               | SLRAEDTAVYYCAKYDGIYGEL---- | DFWGQGT       | LVTVSS |    |     |    |
| GLk2VH                  |  | PSFQGQVTISADKSI                               | STAYLQWSSLKASDTAMYYCARGD | GSTD                       | L-----DYWGQGT | LVTVSS |    |     |    |
| CAT2200 <sup>a</sup> VH |  | DSVKGRFTISRDN                                 | SKNTLYLQMN               | SLRAEDTAVYYCARDLIHGVT----- | RNWGQGT       | LVTVSS |    |     | 1  |

FIG. 7

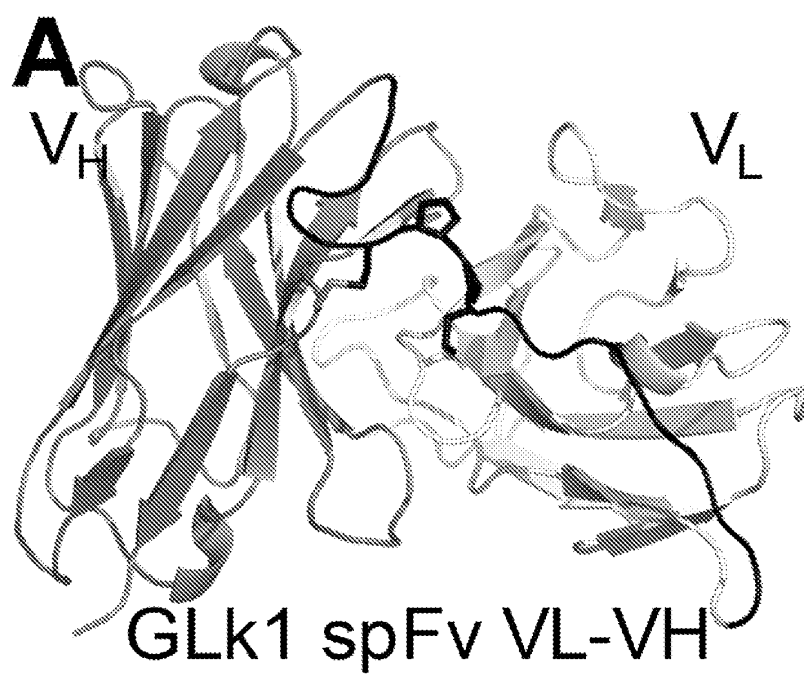
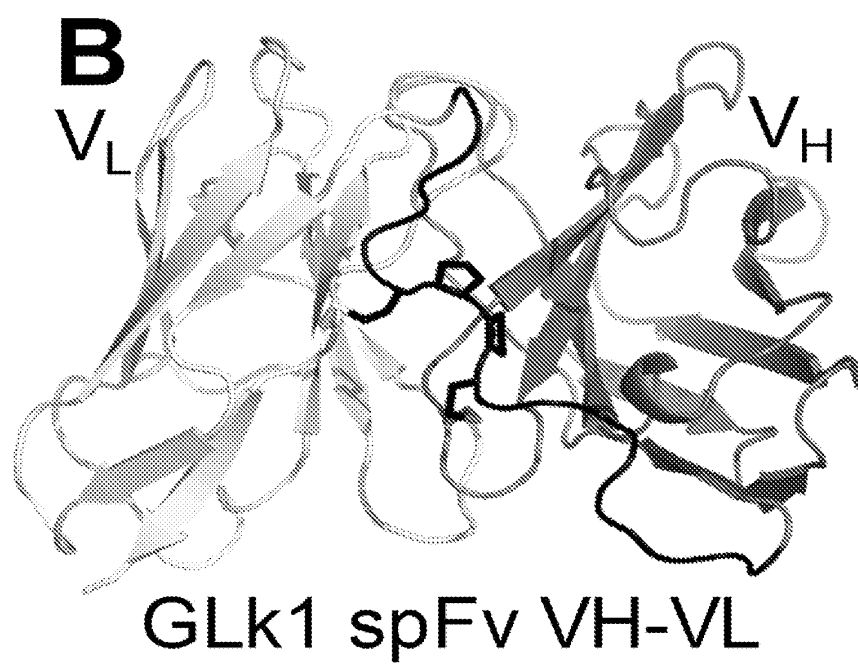


FIG. 8



**FIG. 9**

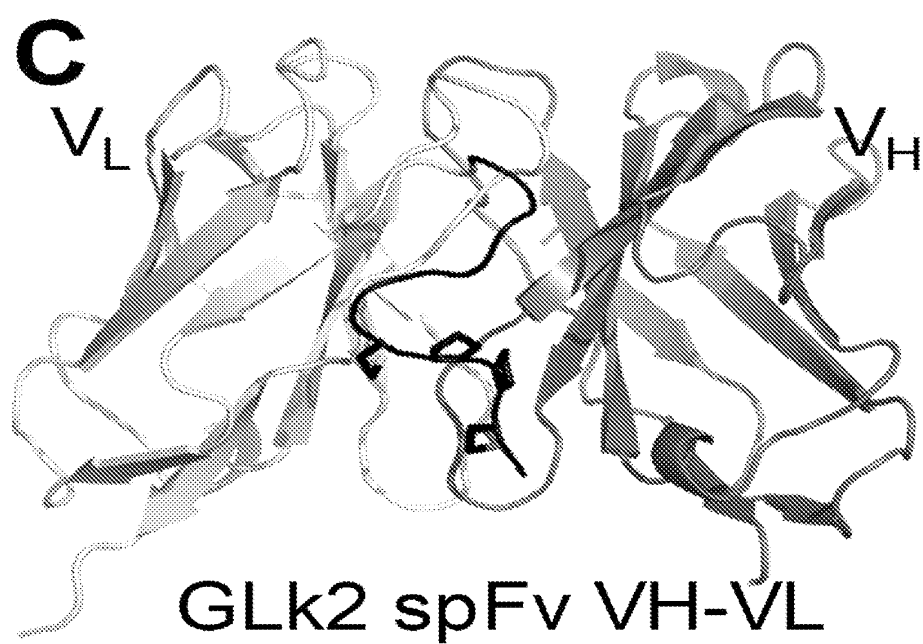


FIG. 10

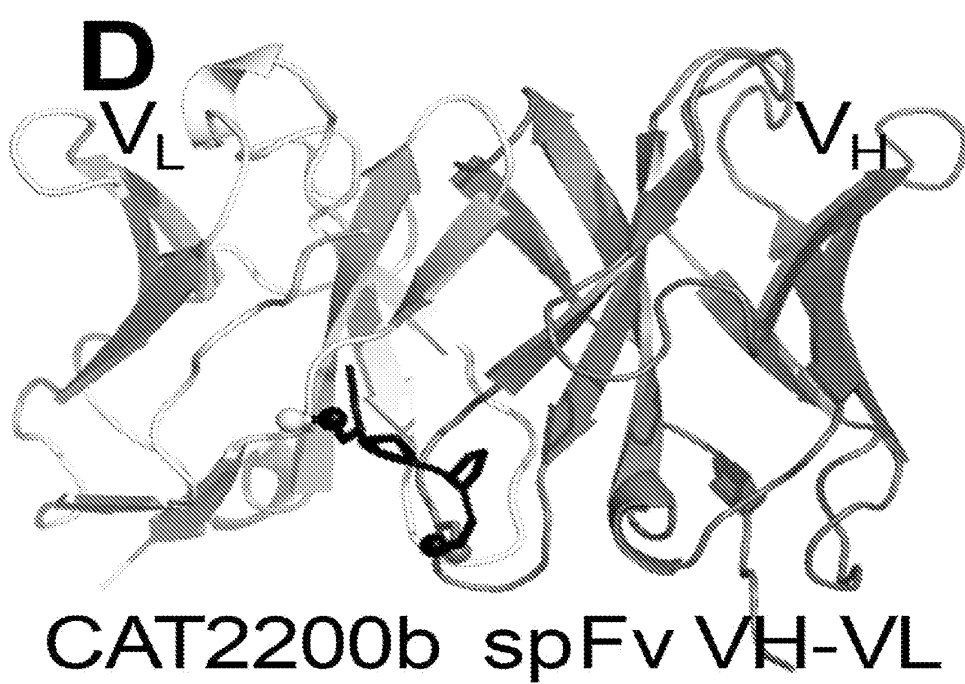


FIG. 11

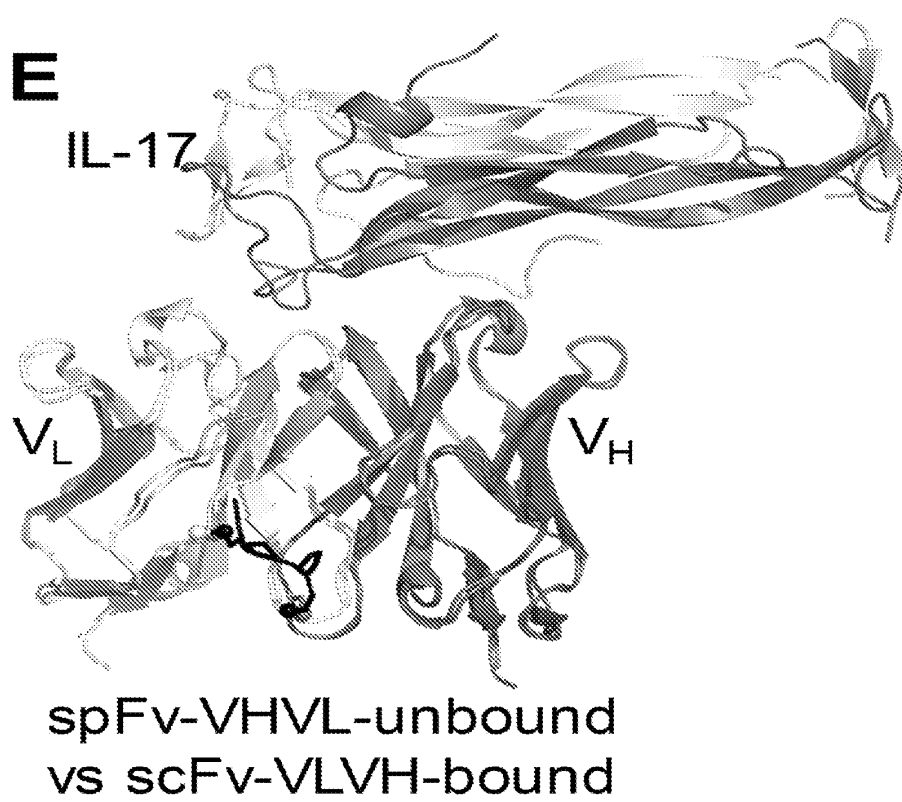
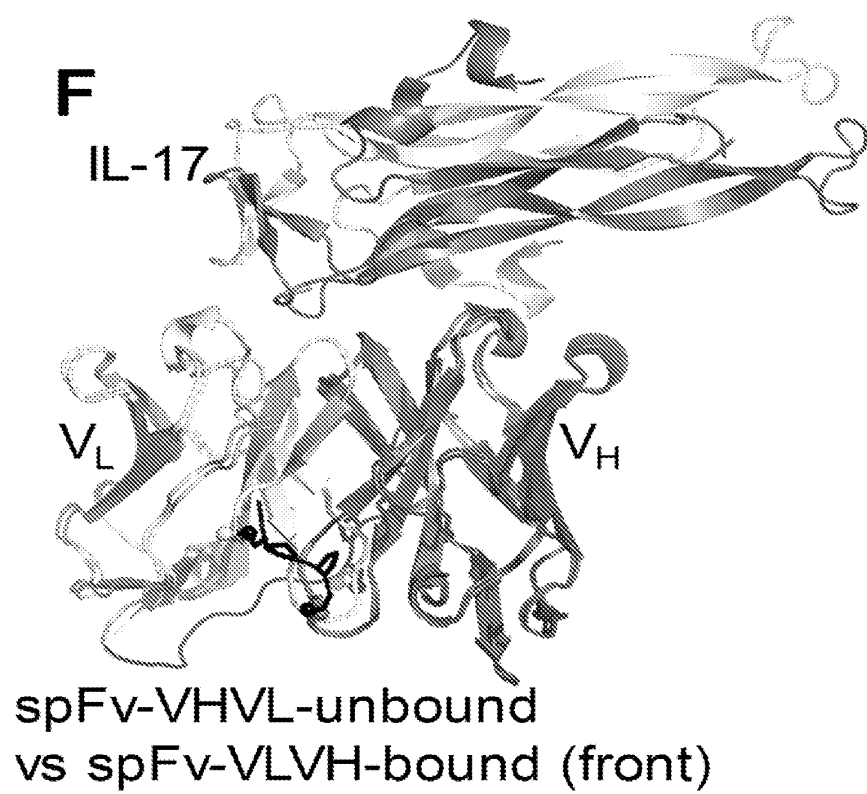


FIG. 12



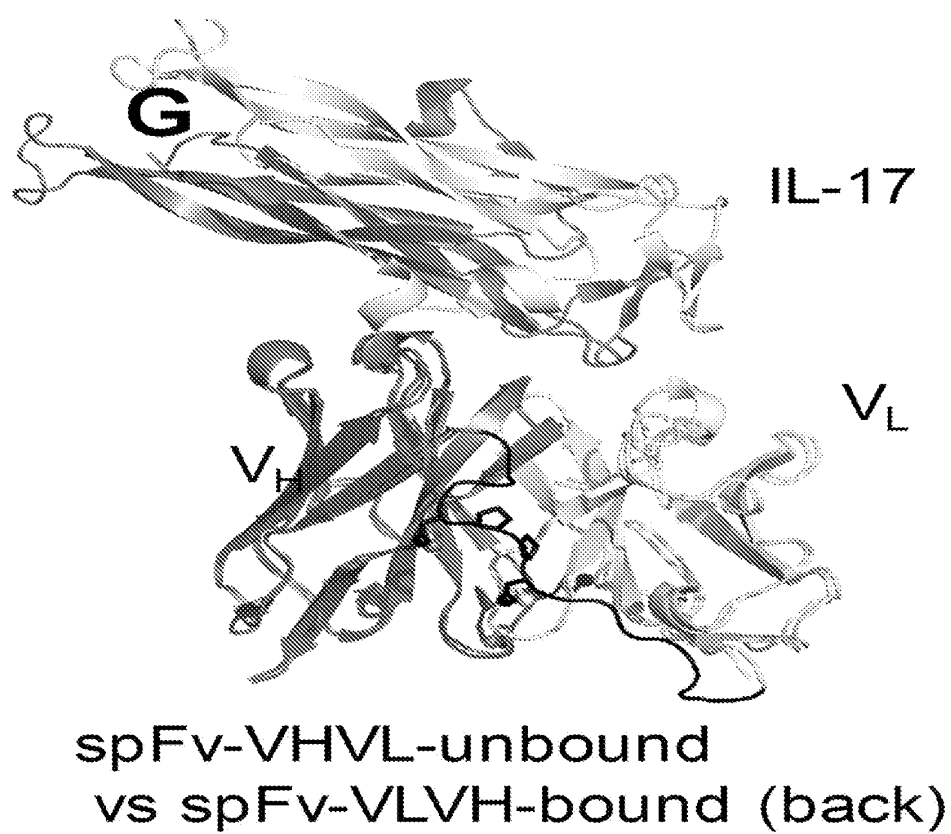


FIG. 14

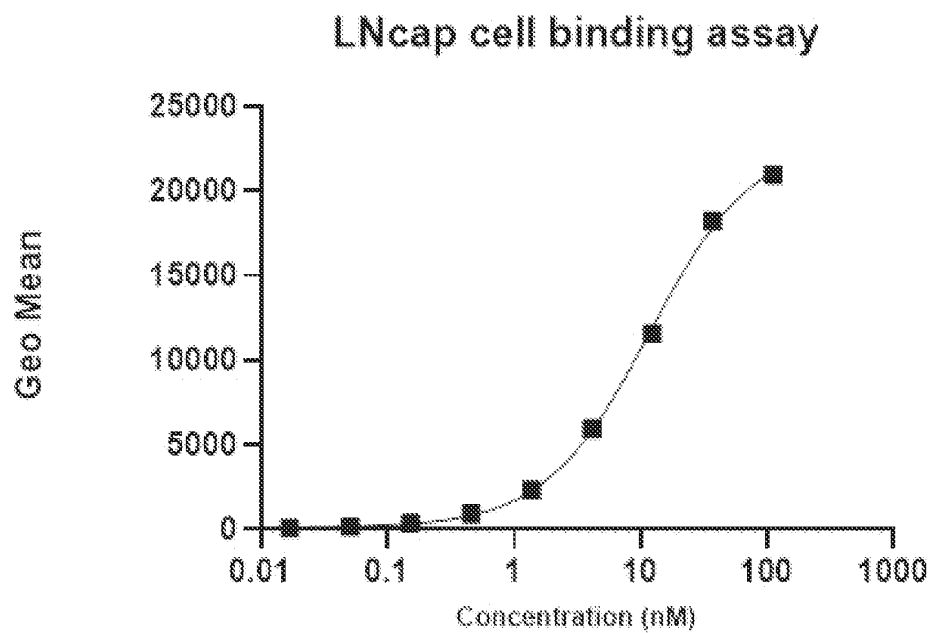


FIG. 15

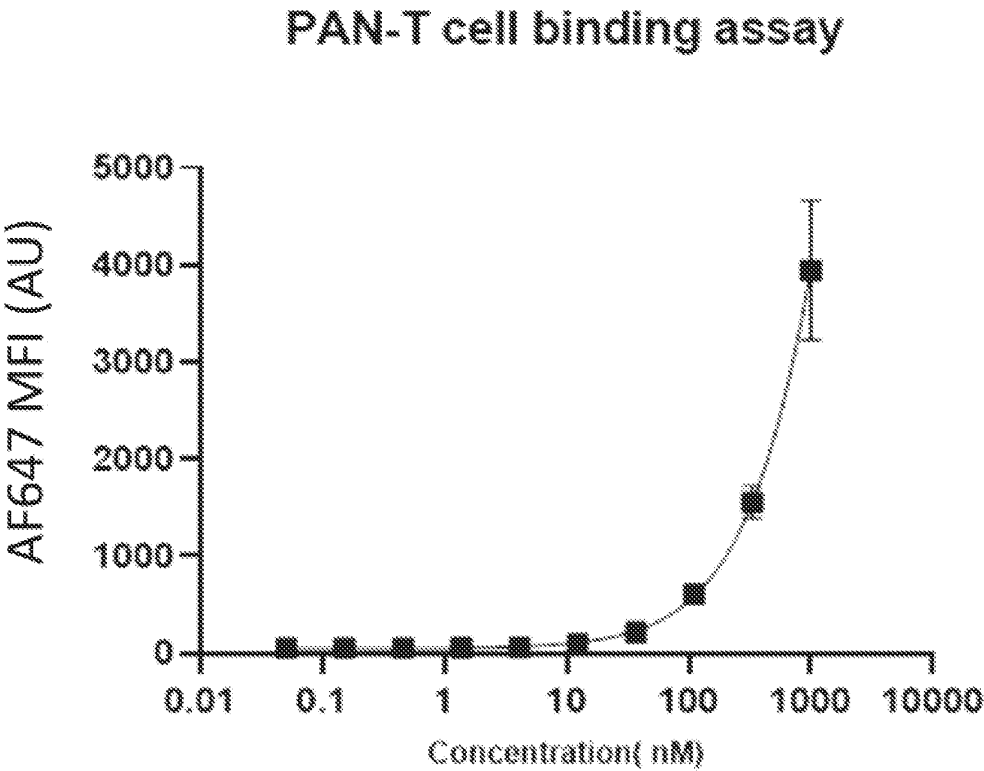


FIG. 16

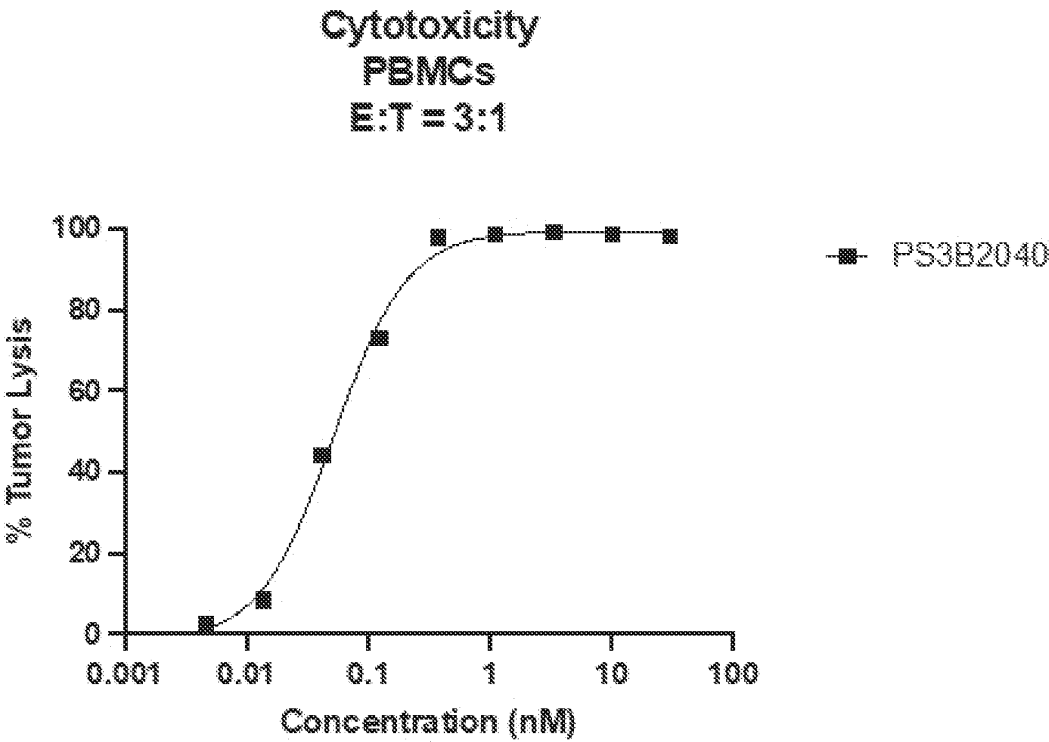


FIG. 17

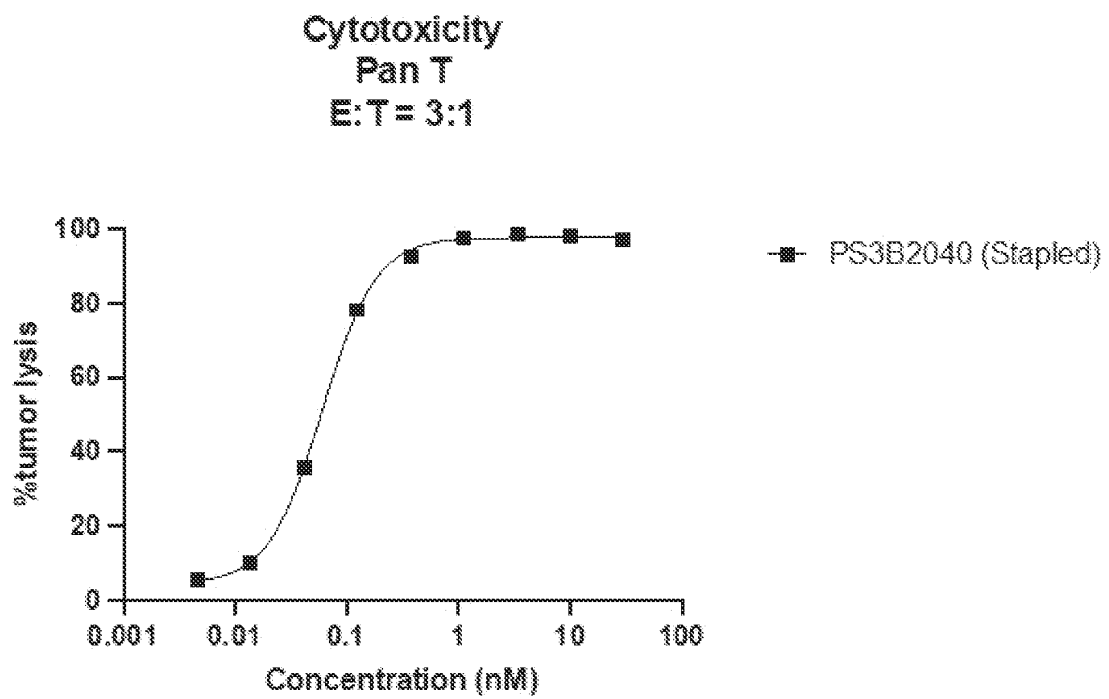


FIG. 18

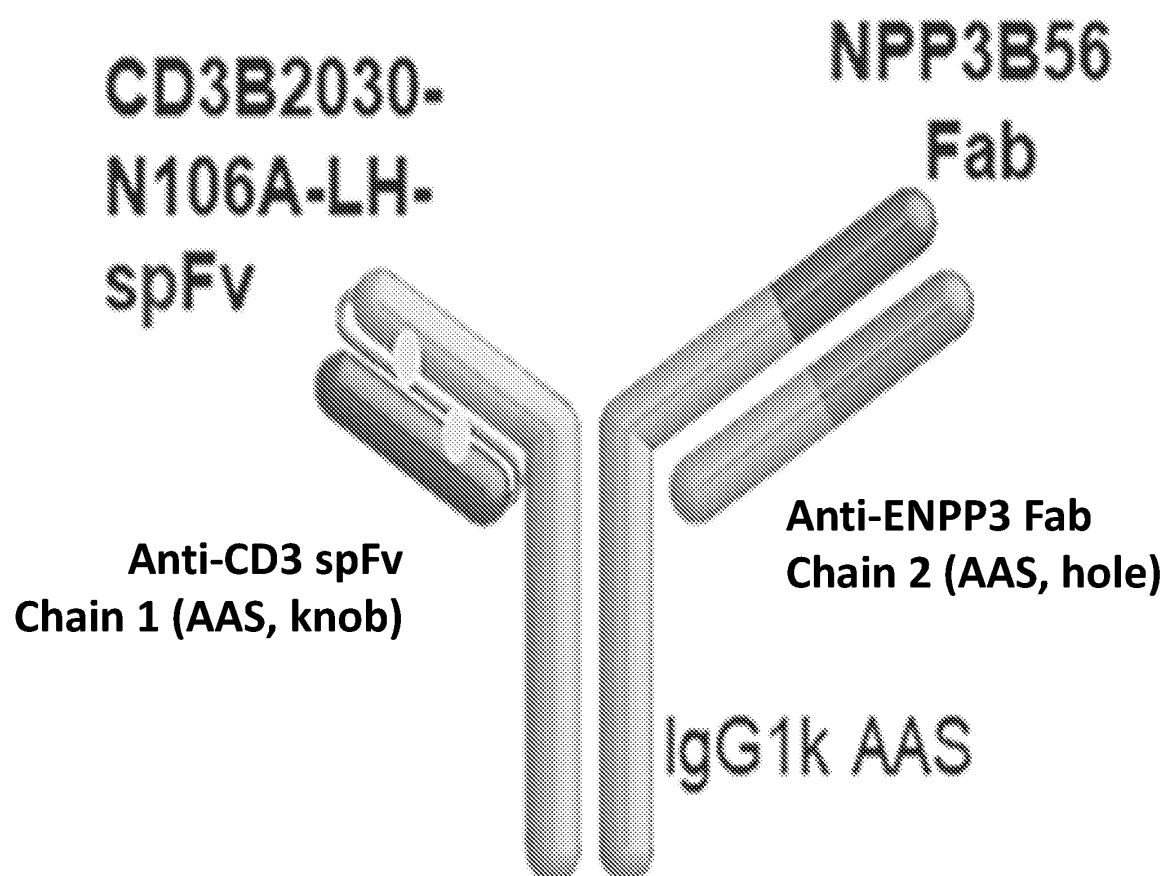


Fig. 19

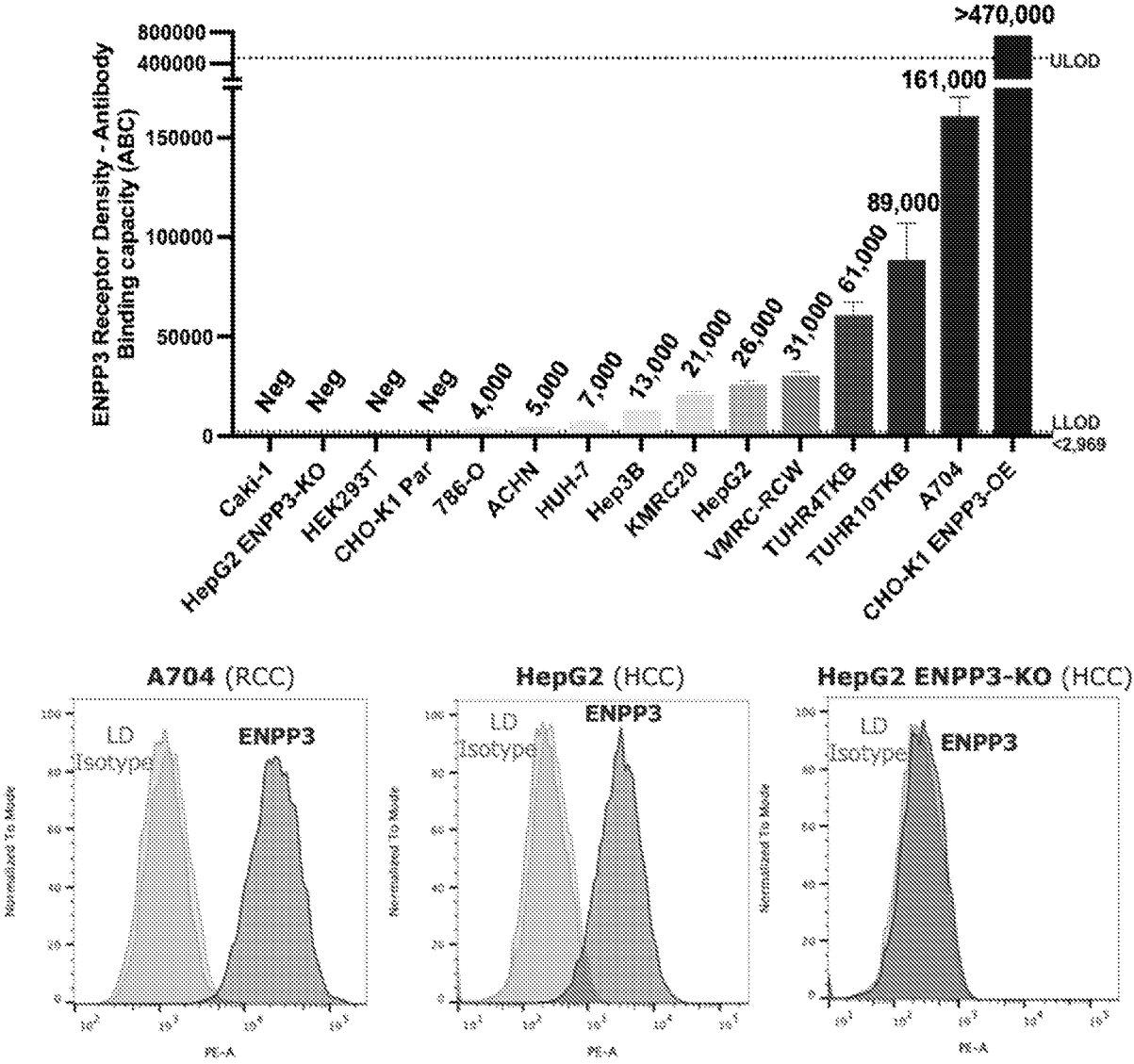


Fig. 20

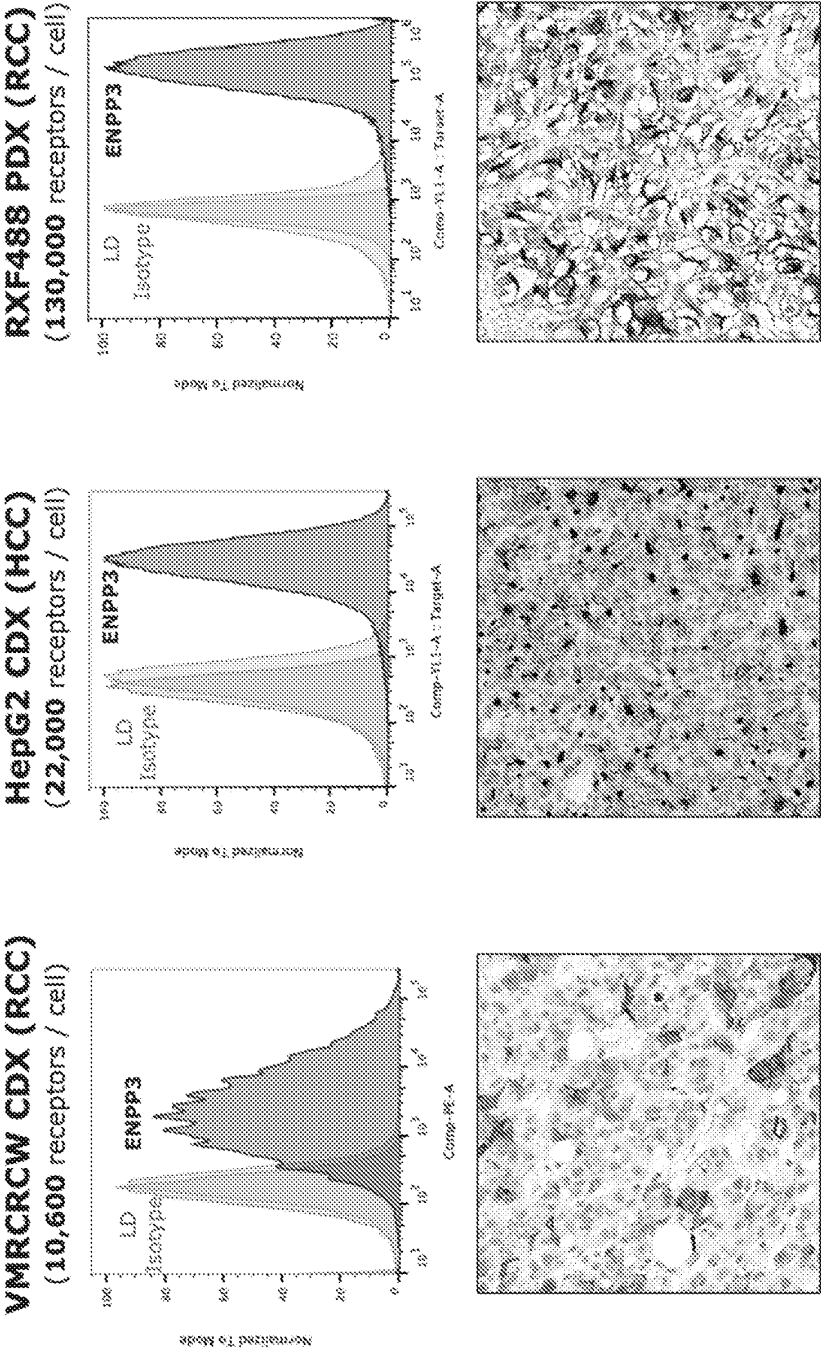


Fig. 21

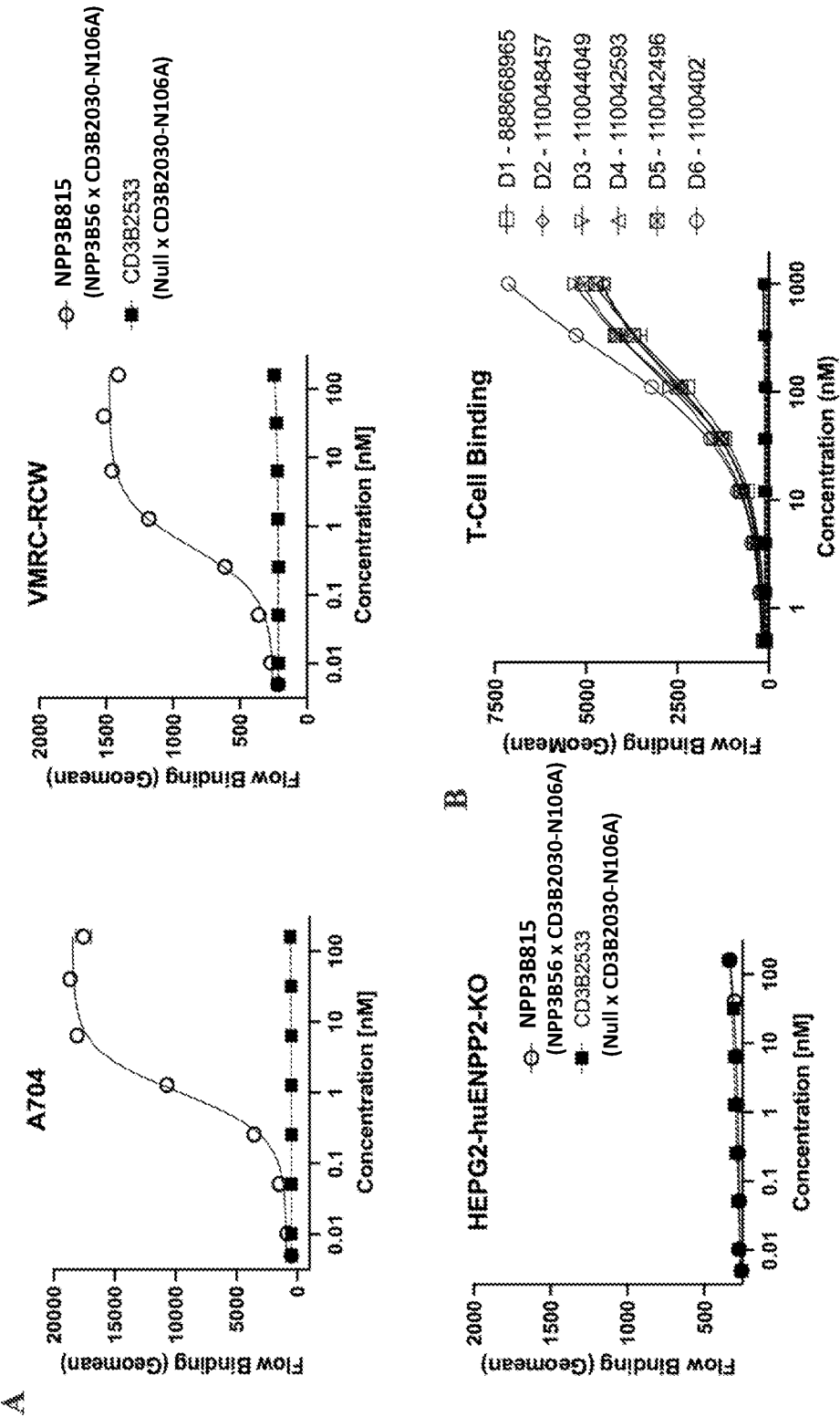


Fig. 22A – 22B

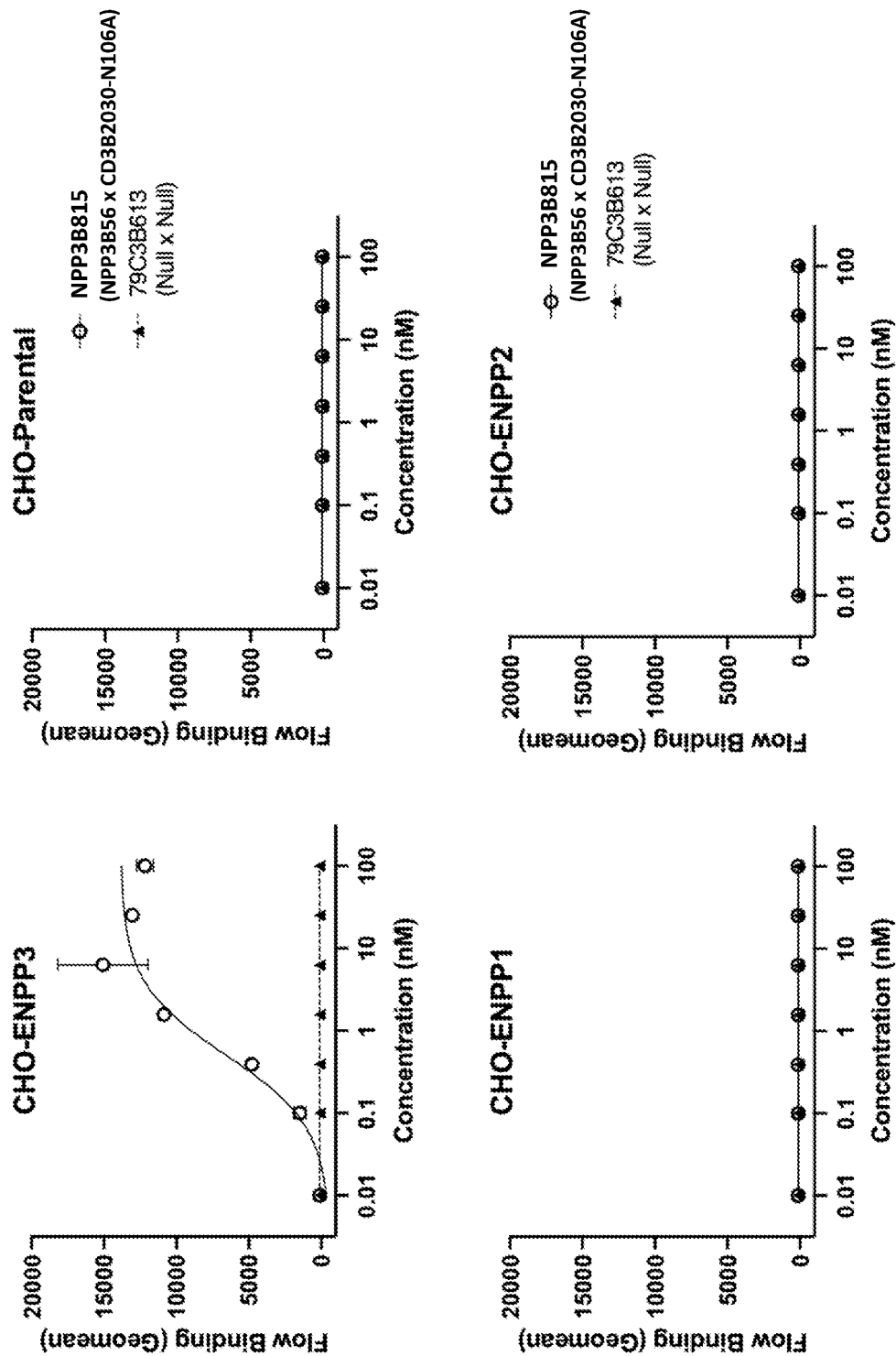


Fig. 23

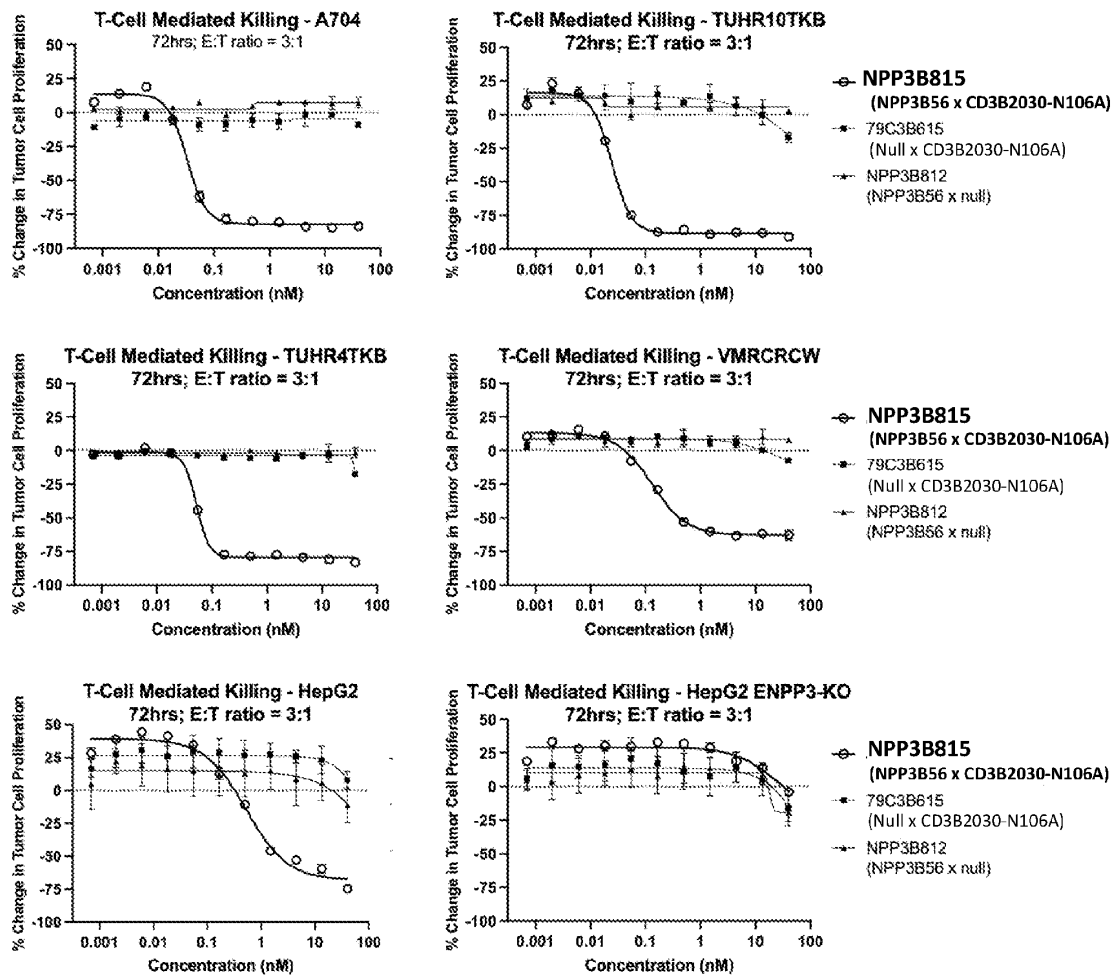


Fig. 24

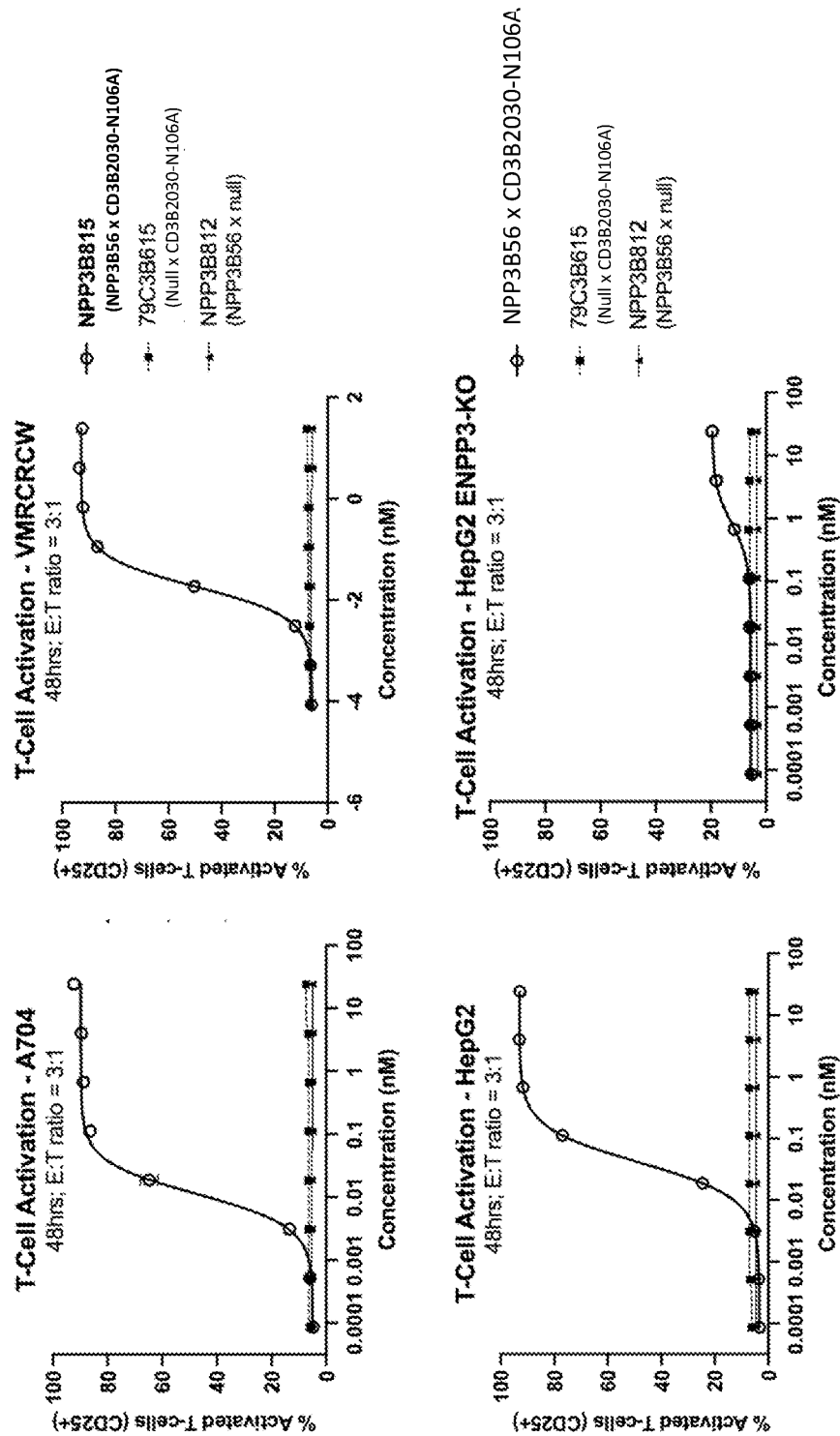


Fig. 25

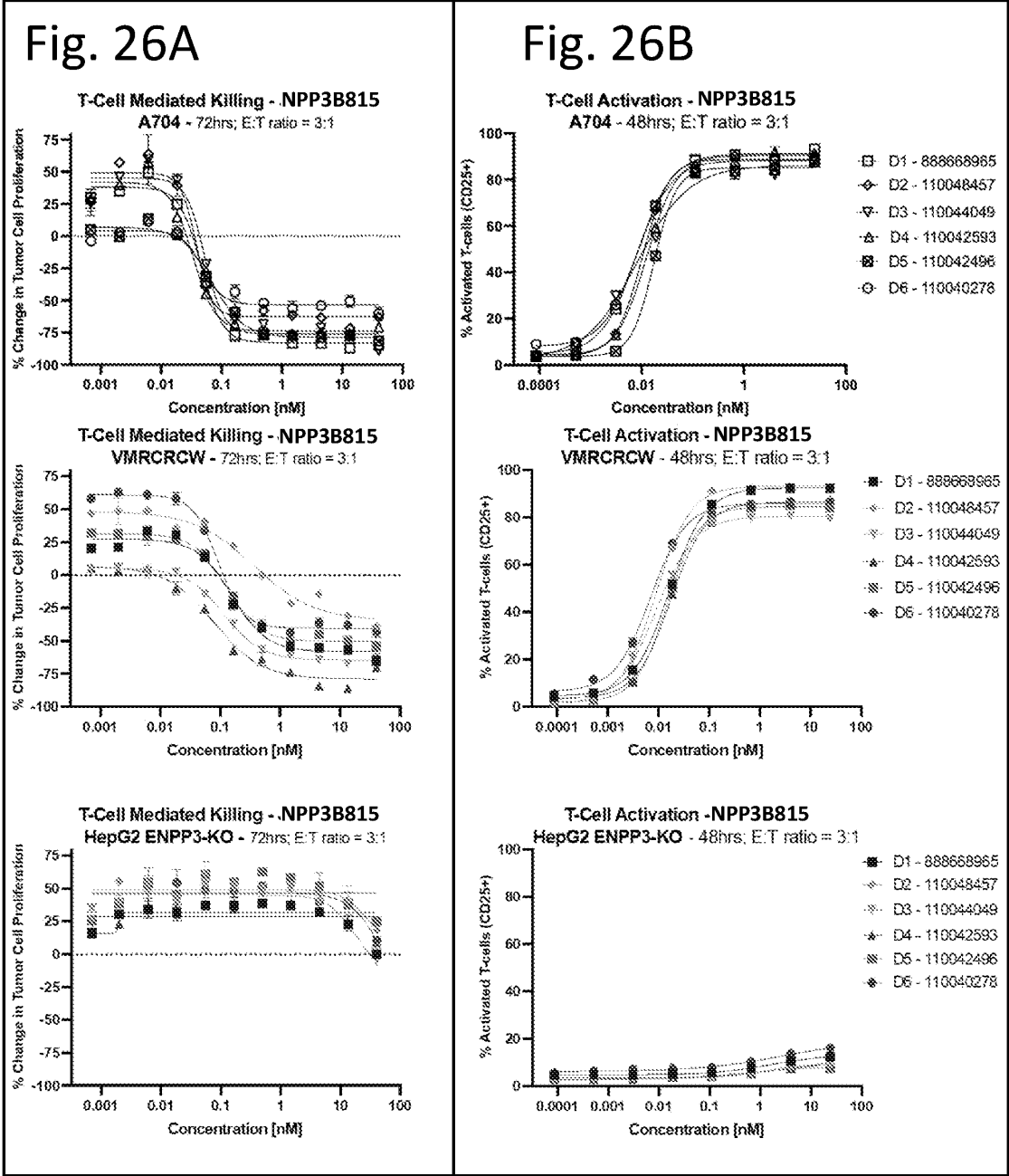


Fig. 27A

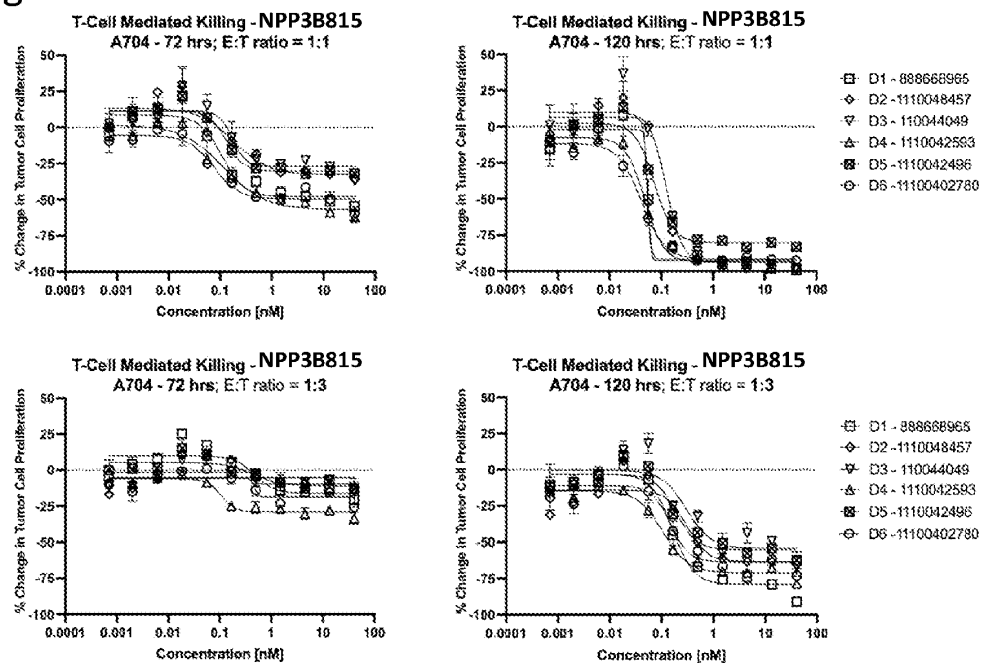


Fig. 27B

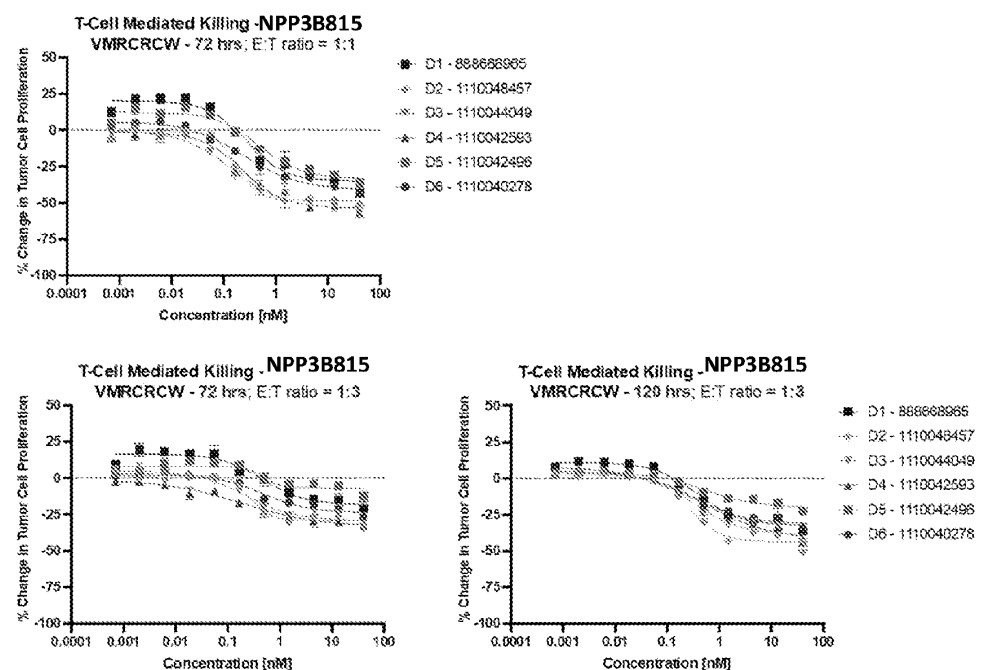


Fig. 27A – 27B

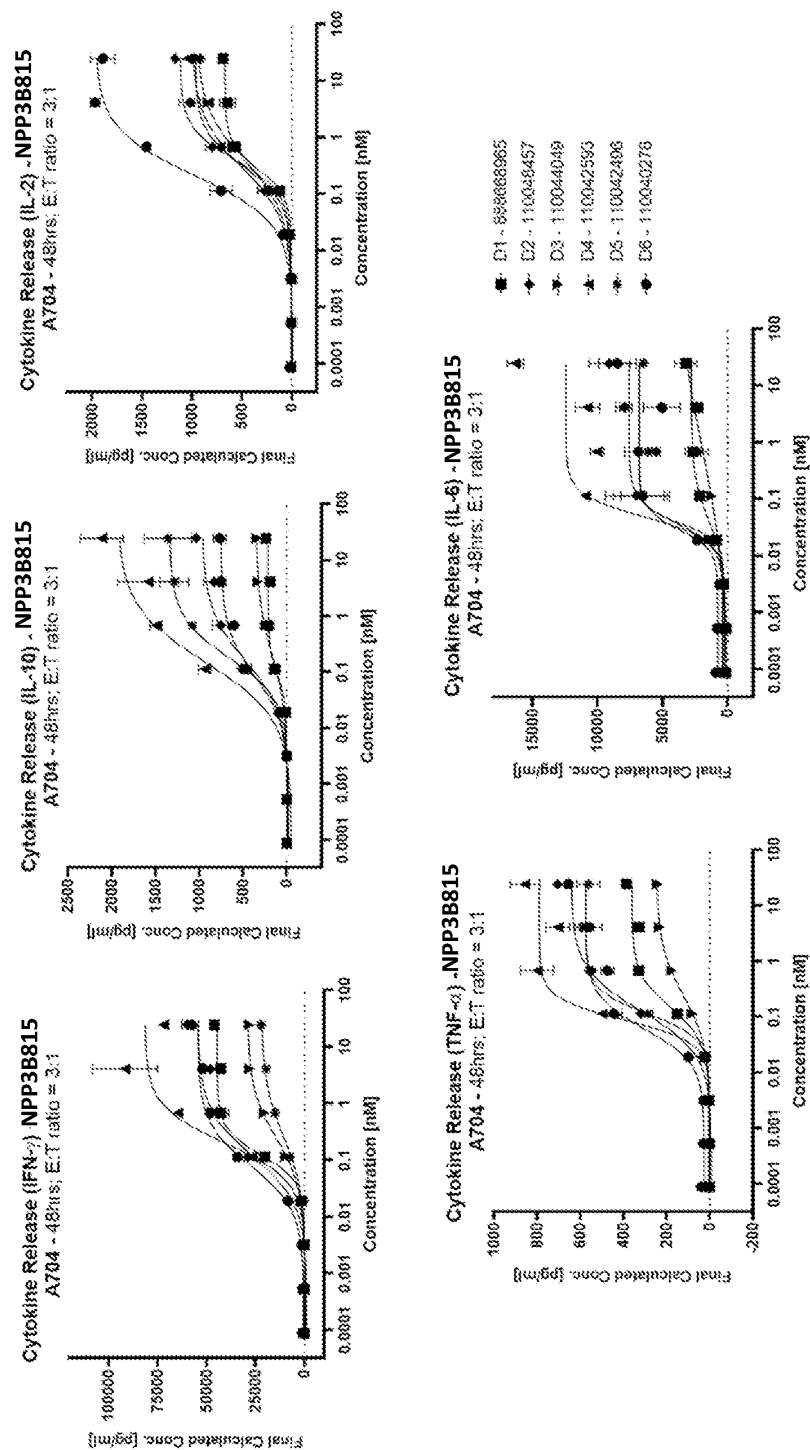


Fig. 28

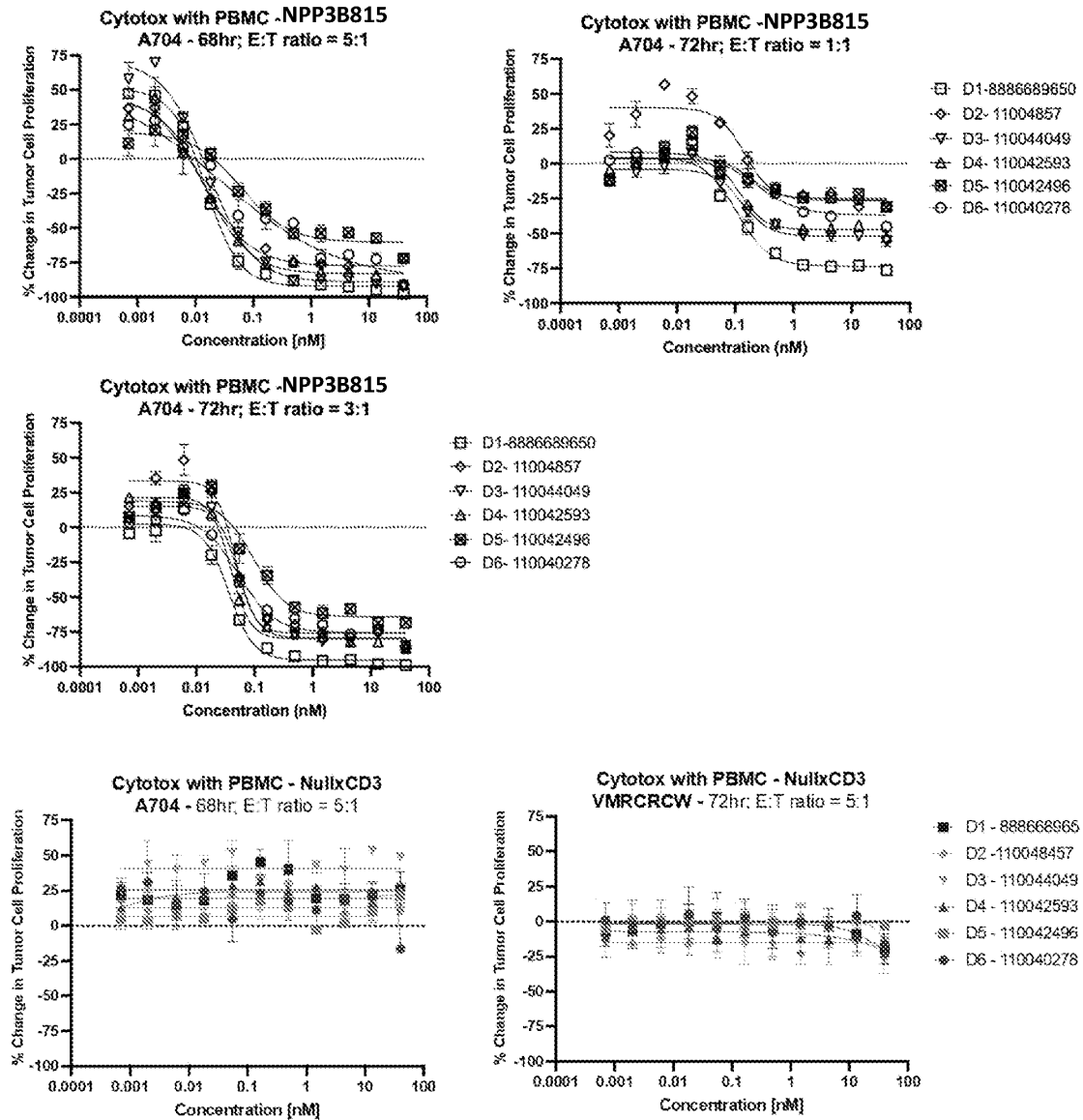


Fig. 29

Fig. 30A

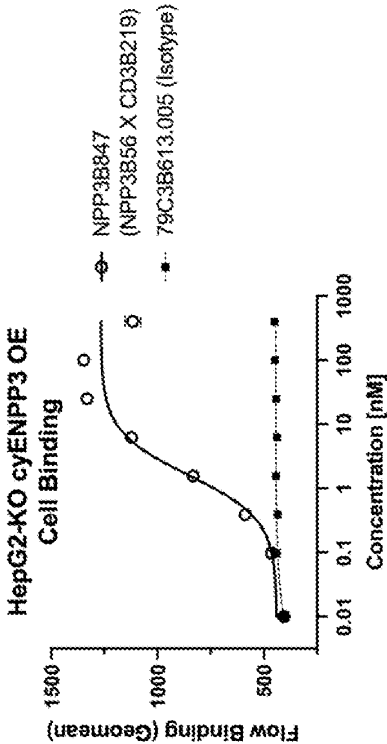


Fig. 30B

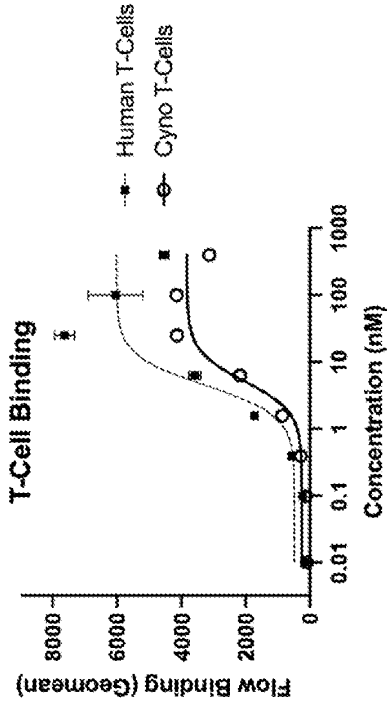


Fig. 30A-30B

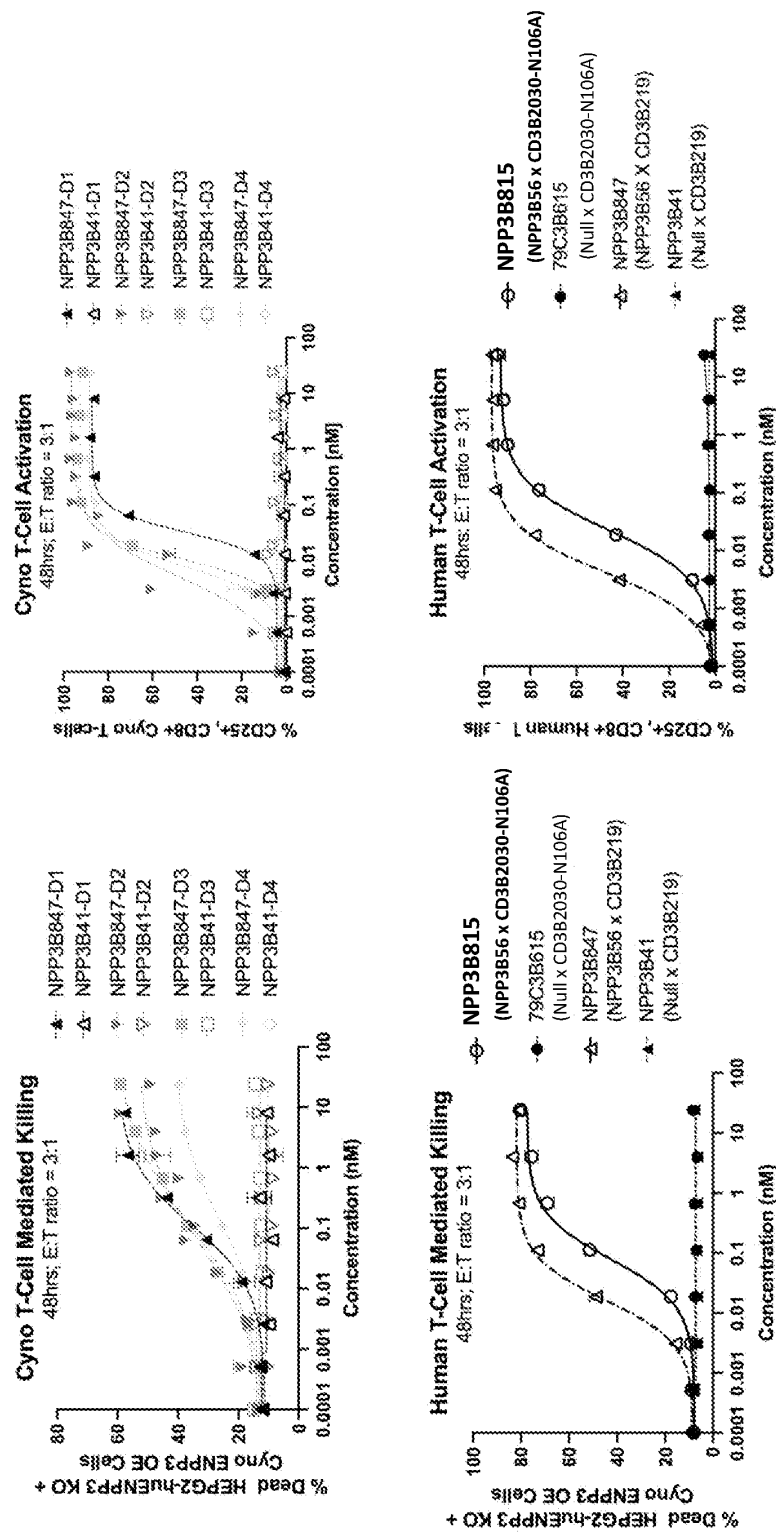


Fig. 31

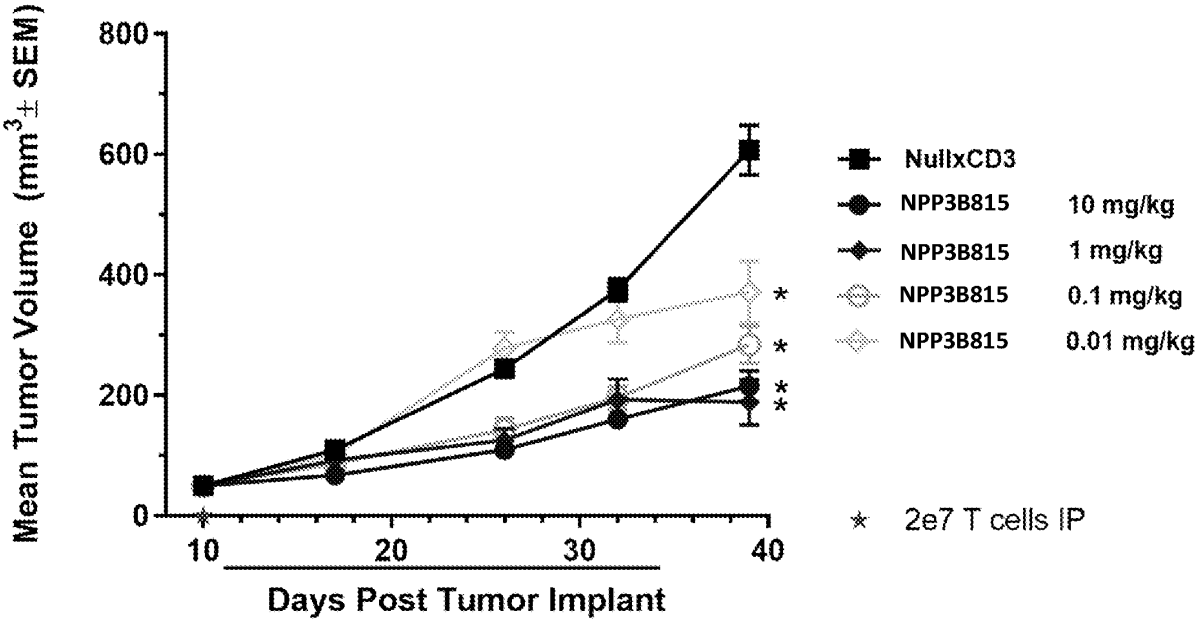


Fig. 32A

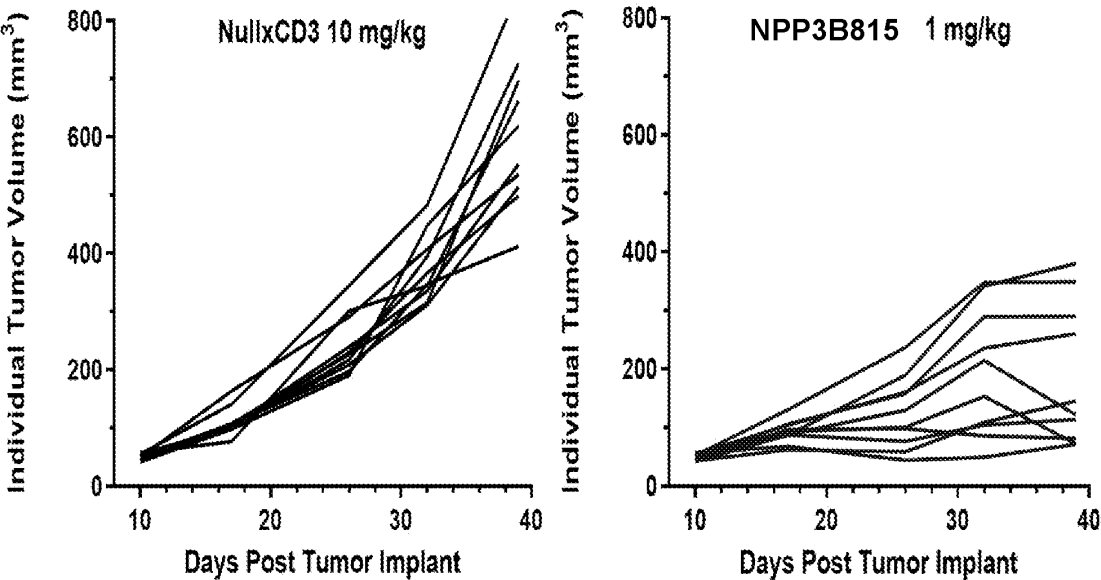


Fig. 32B

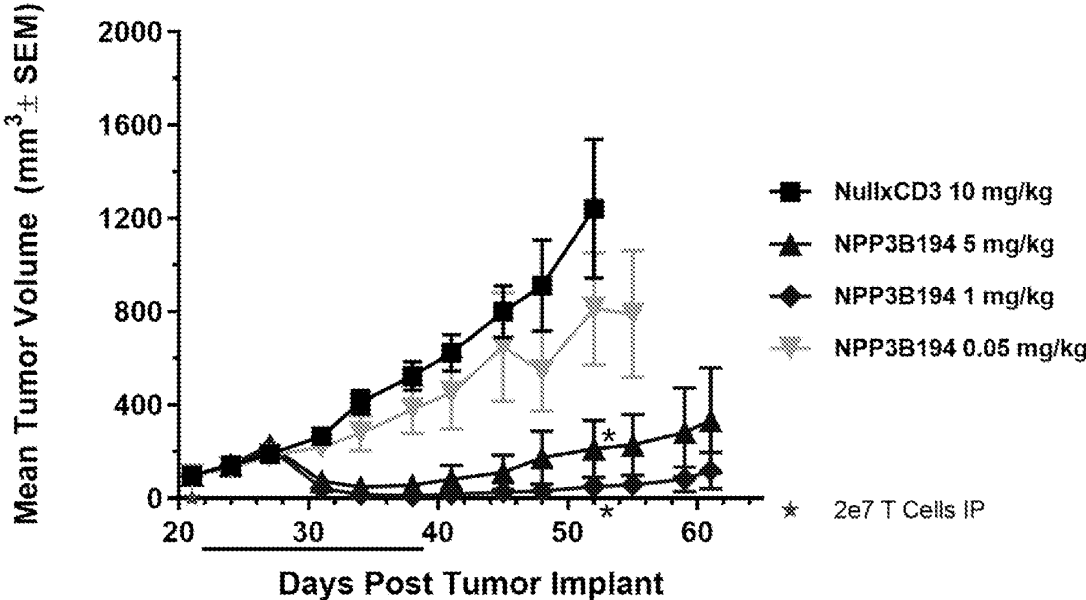


Fig. 33A

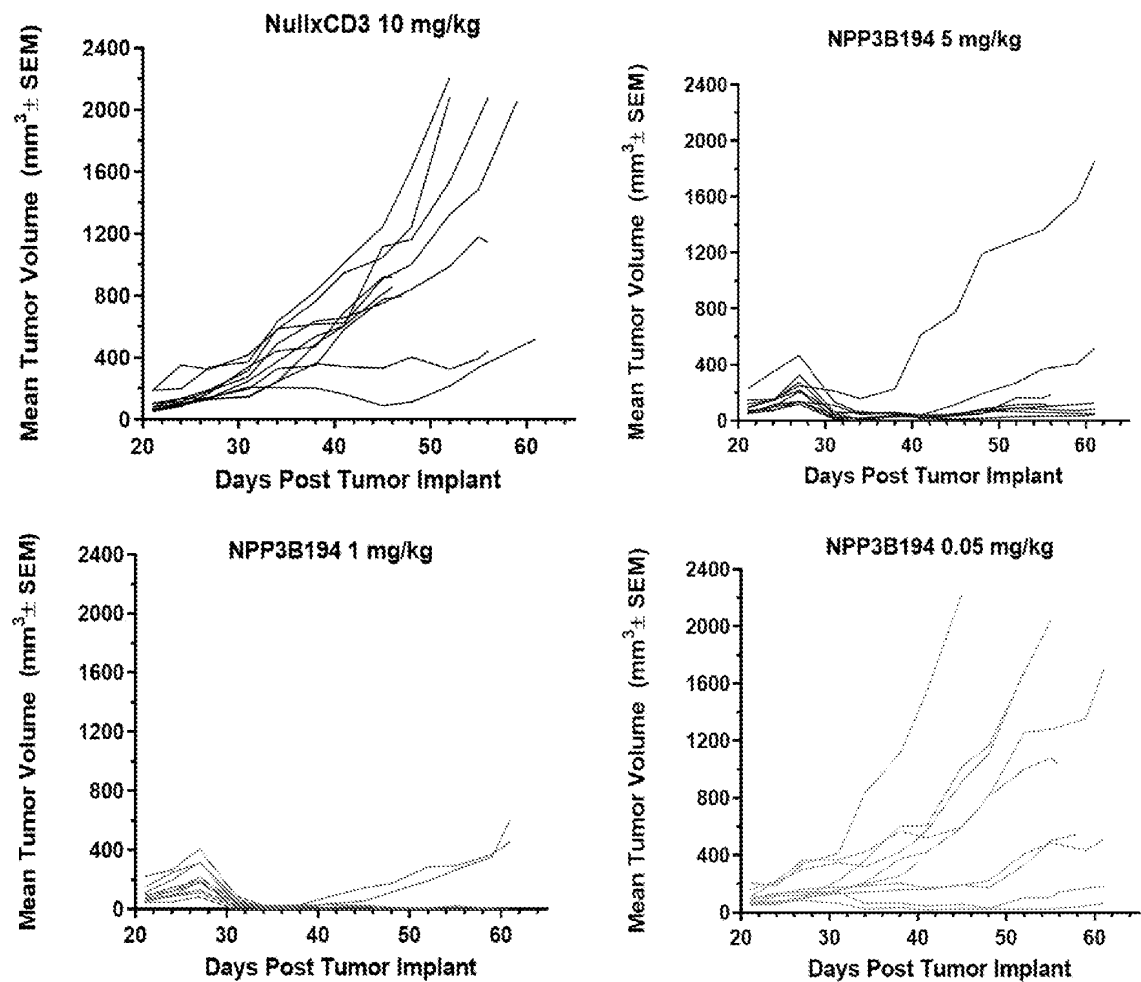


Fig. 33B

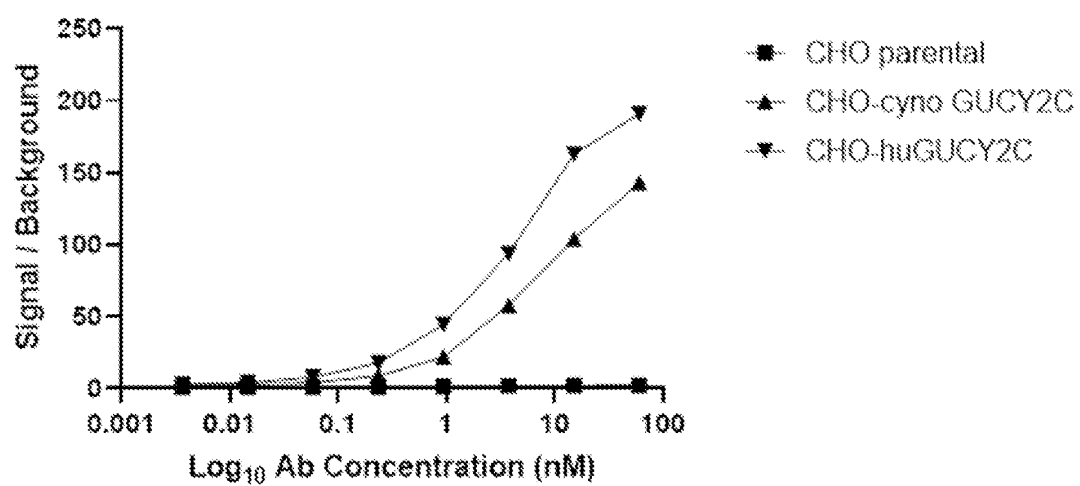


Fig. 34

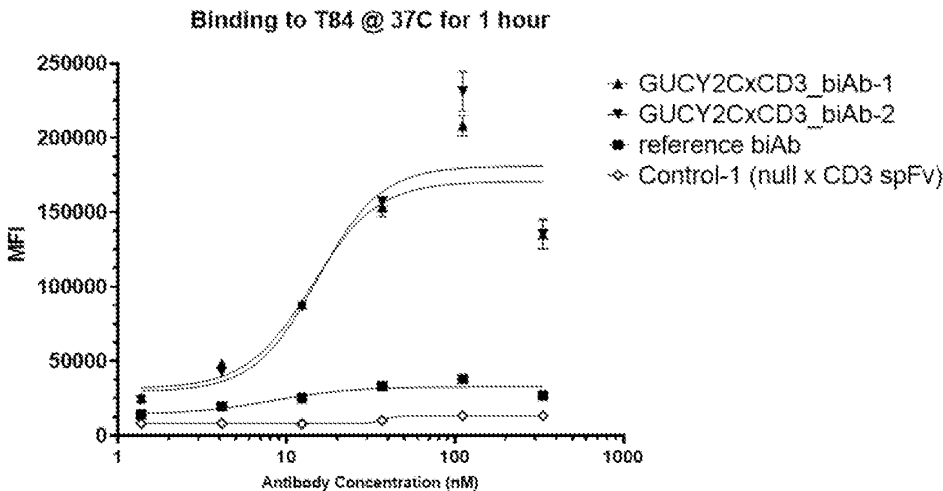


Fig. 35A

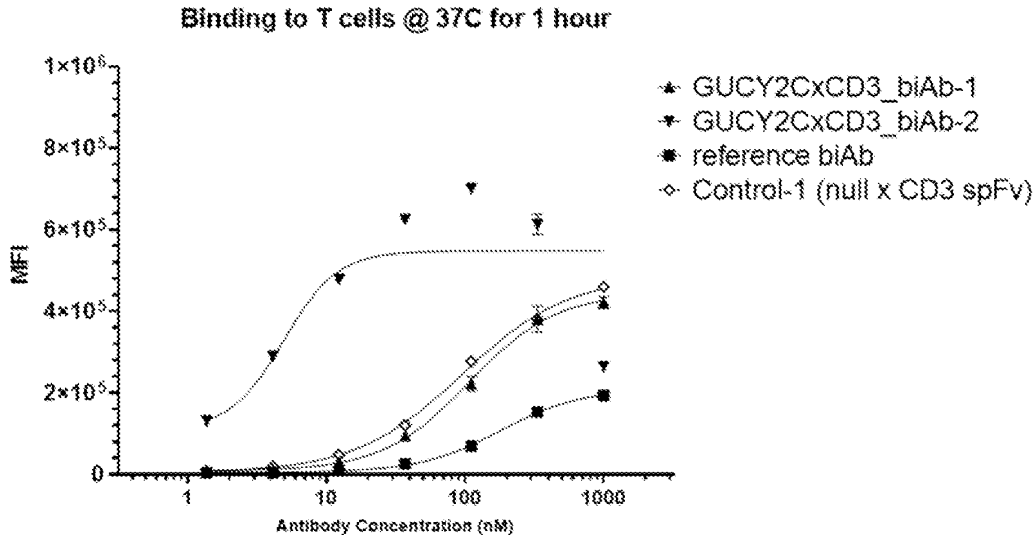


Fig. 35B

Binding competition against AF647-labelled reference biAb by unlabeled antibodies

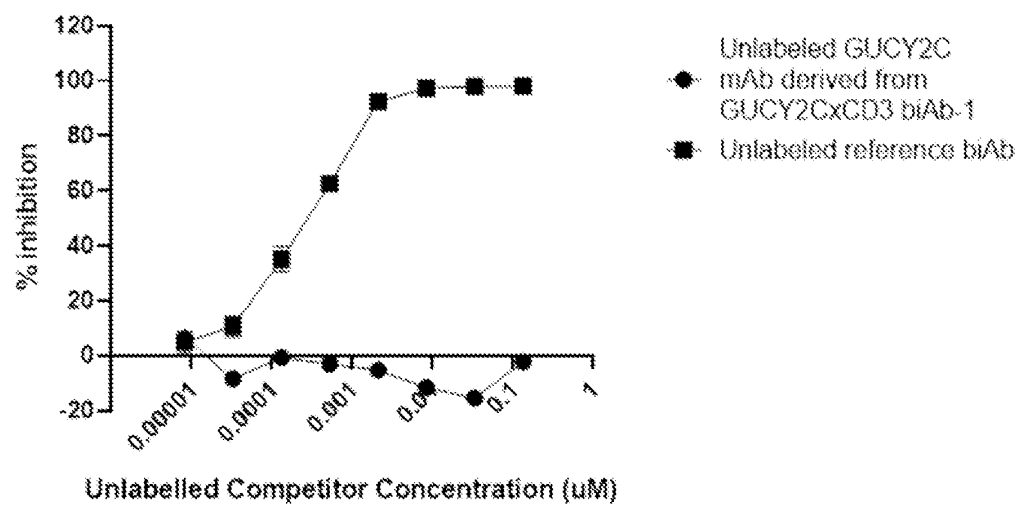


Fig. 36

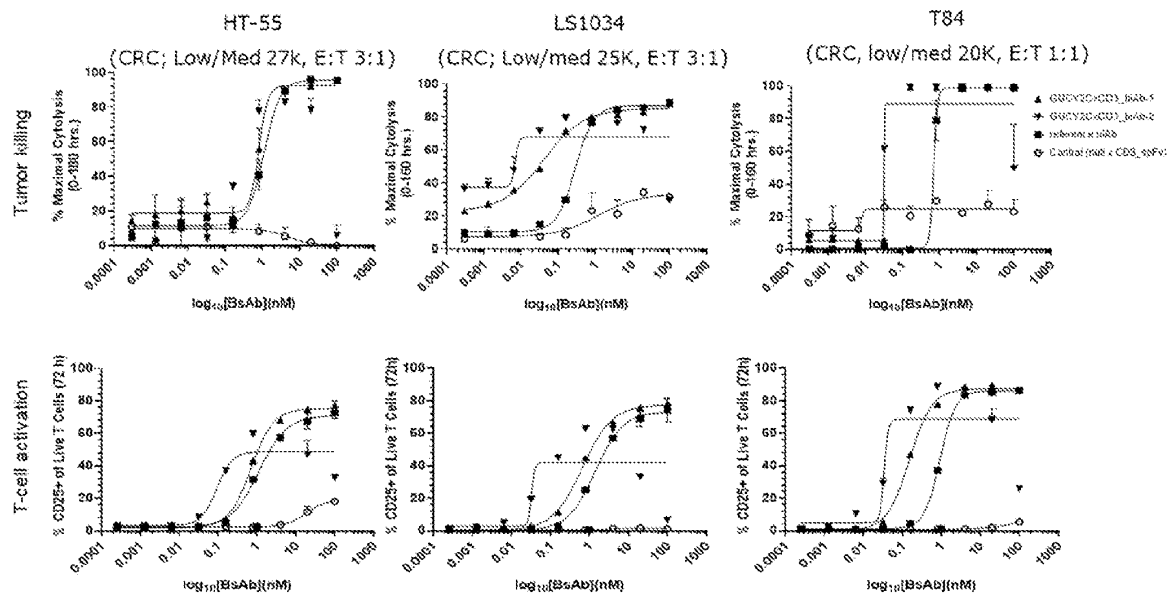


Fig. 37

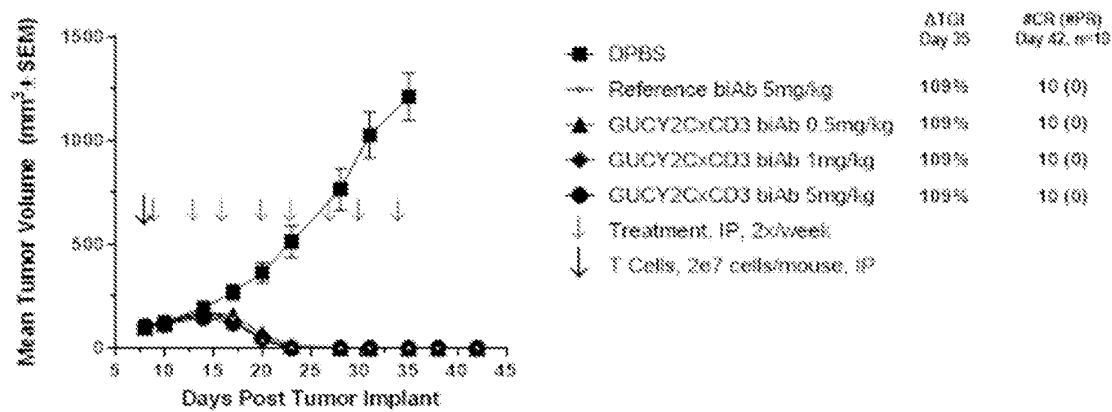


Fig. 38

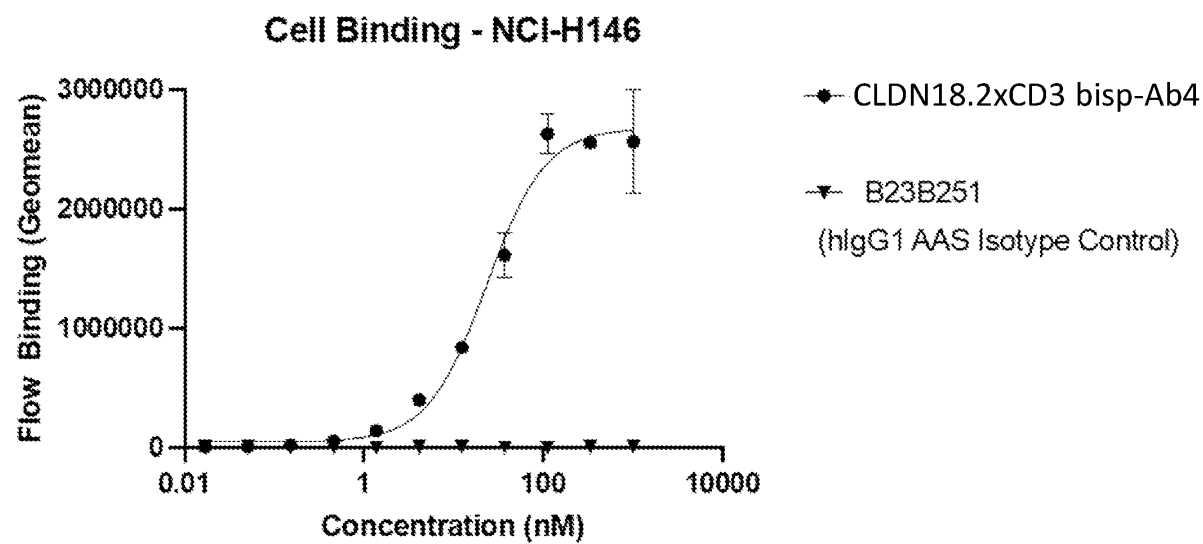


Fig. 39

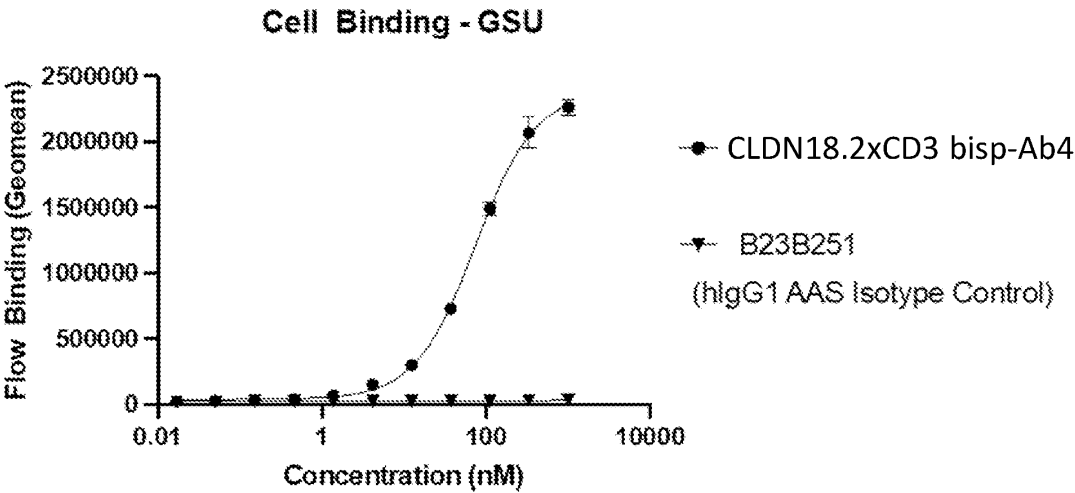


Fig. 40

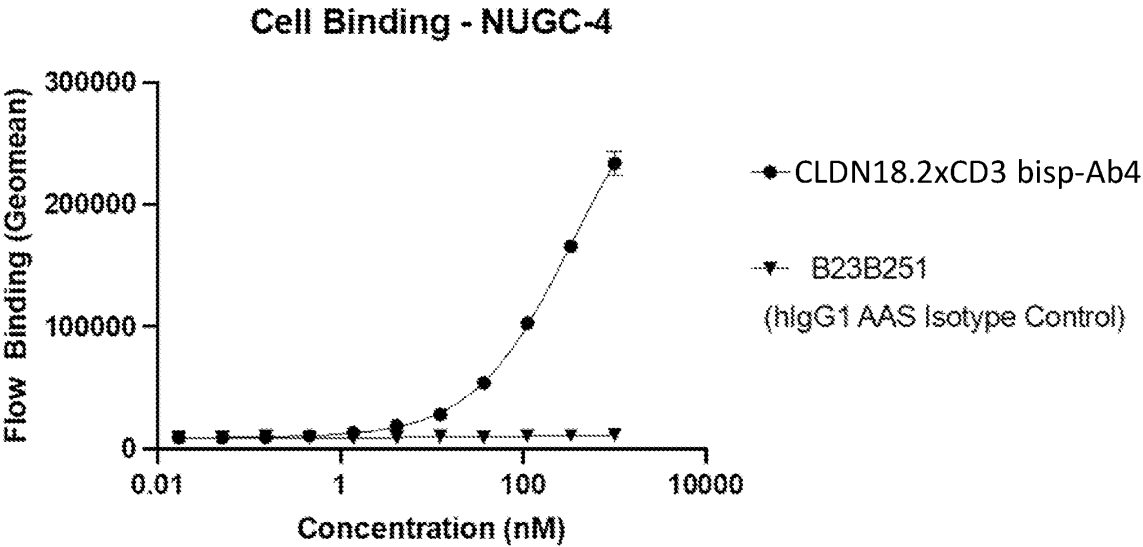


Fig. 41

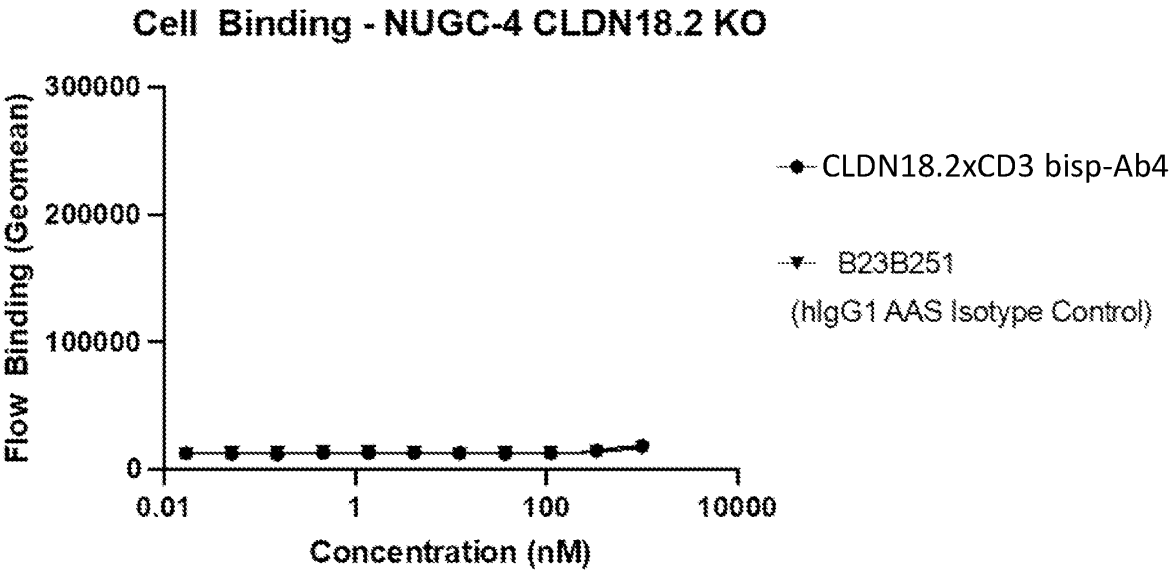


Fig. 42