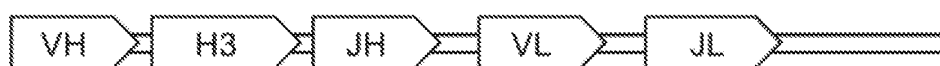
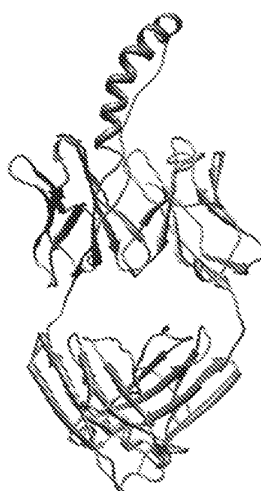
**FIG. 1A****FIG. 1B****FIG. 2**

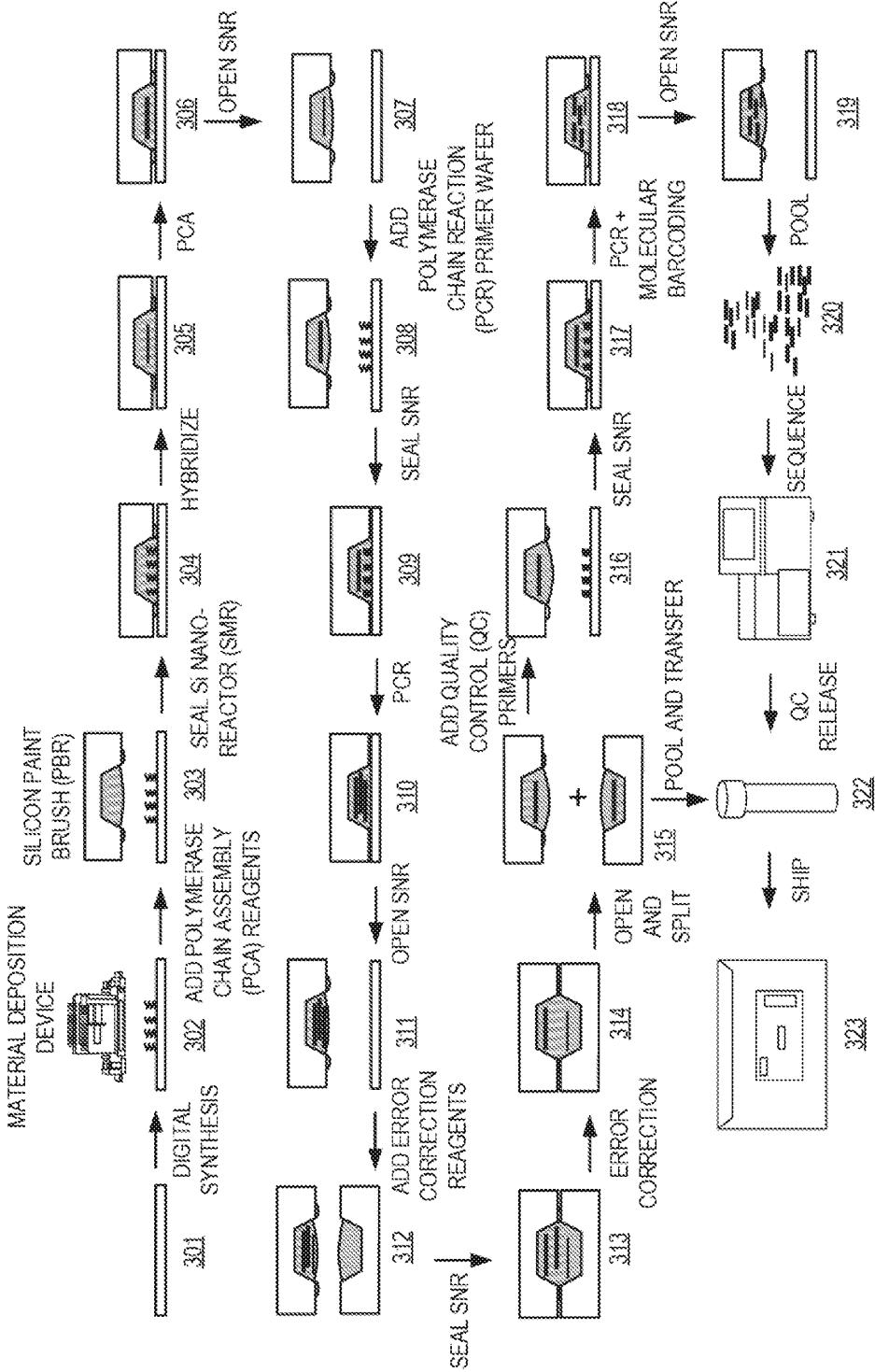


FIG. 3

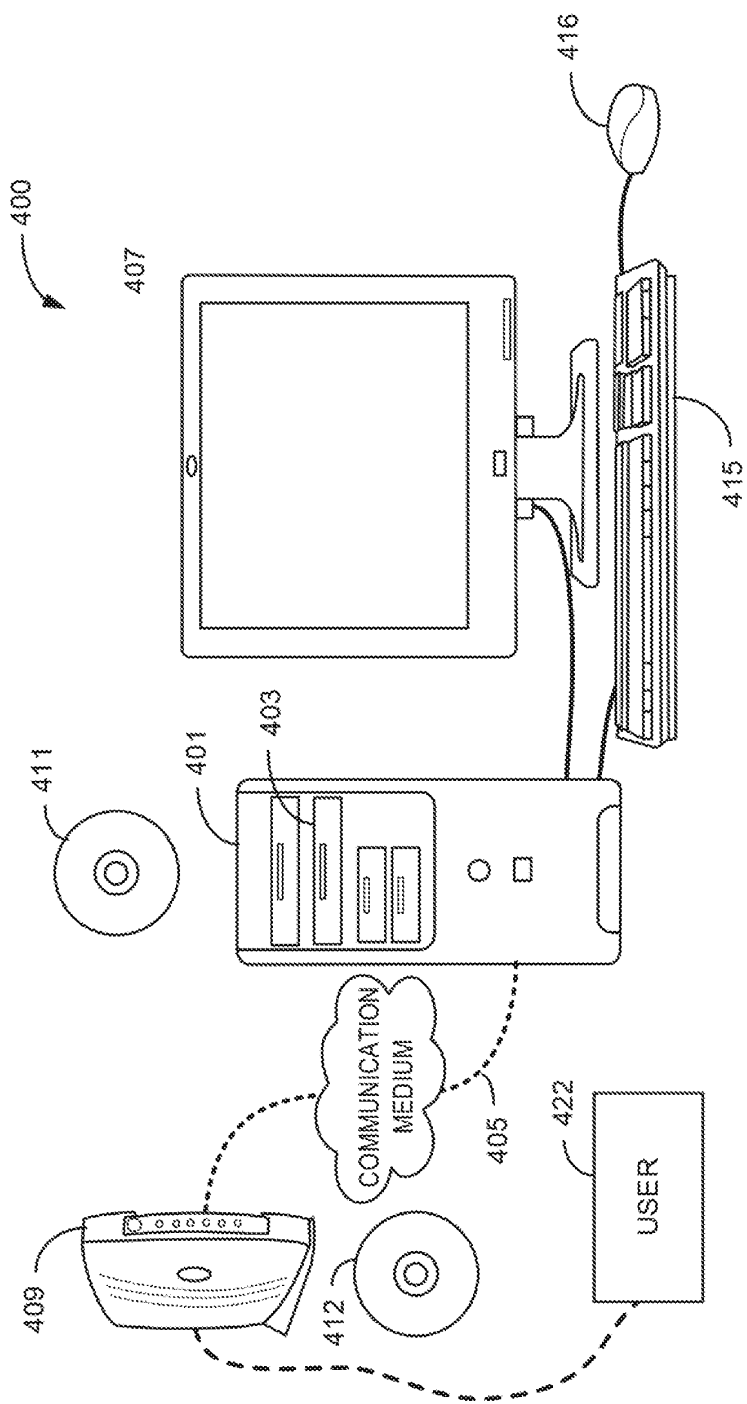


FIG. 4

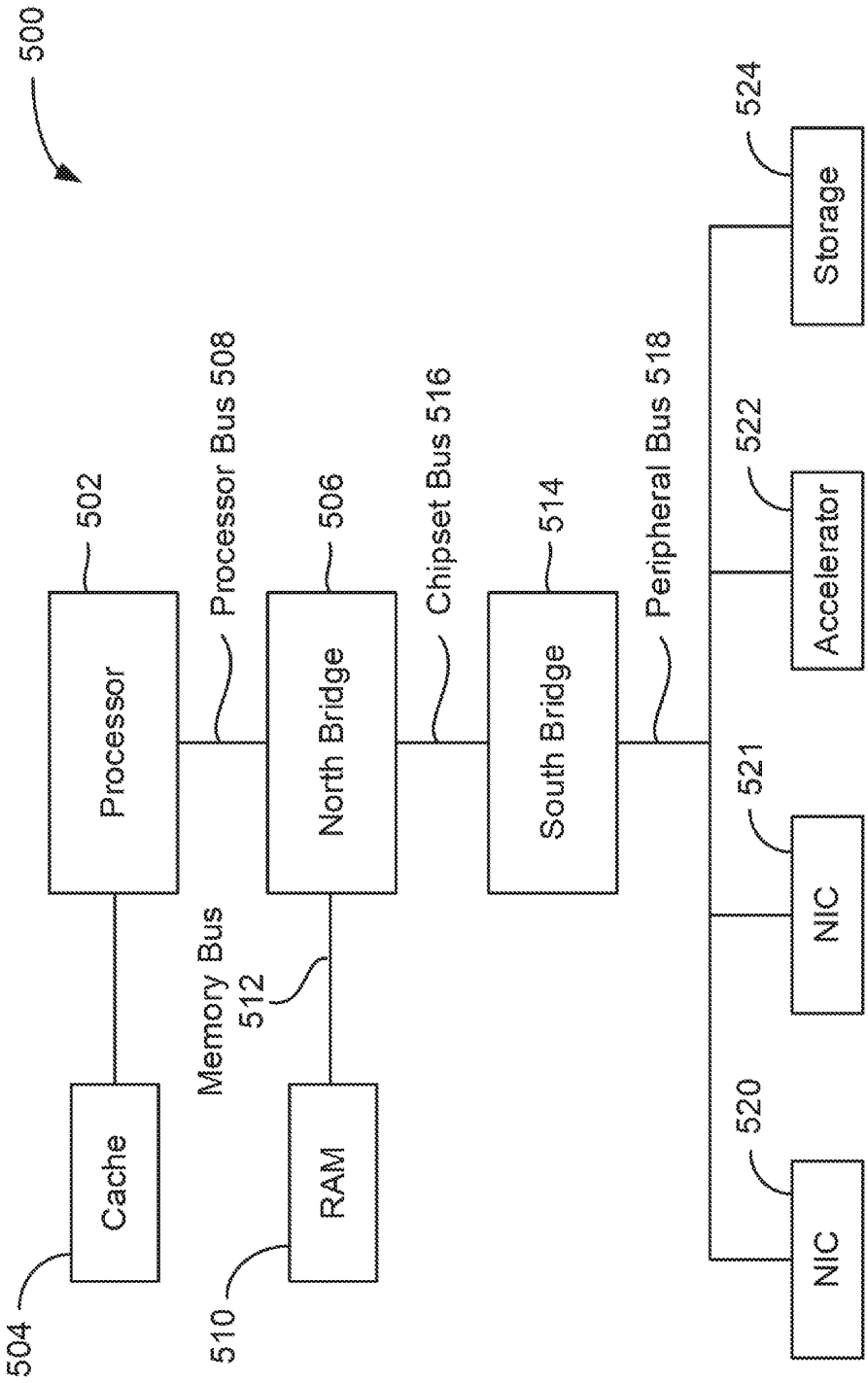


FIG. 5

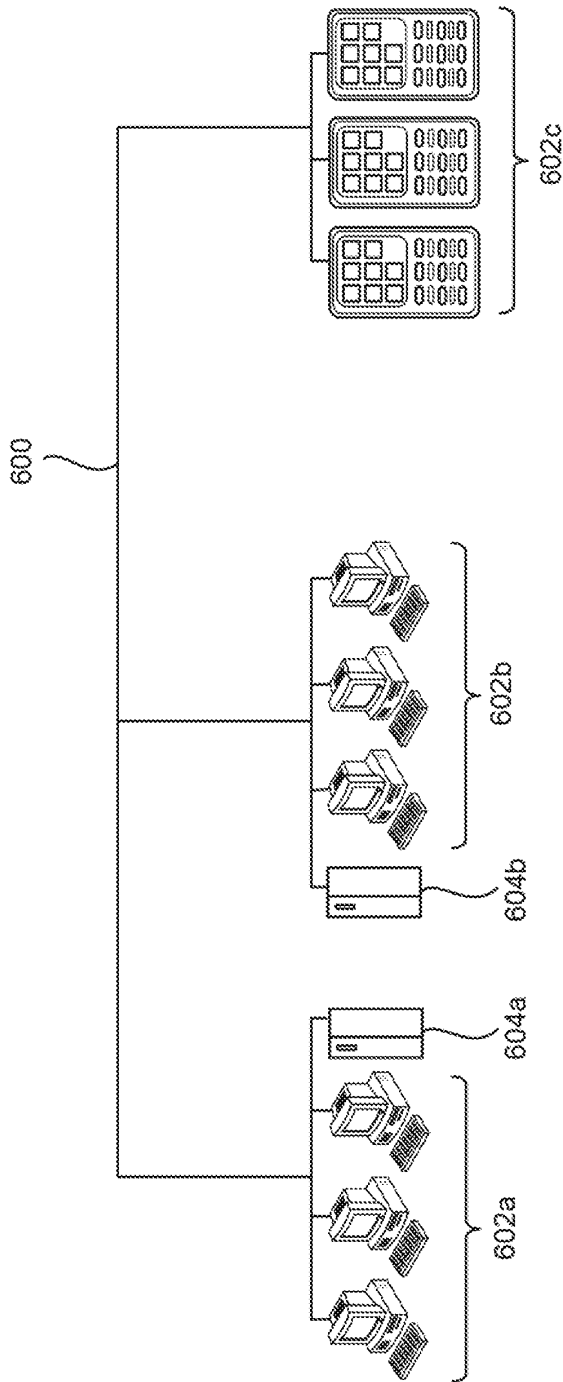
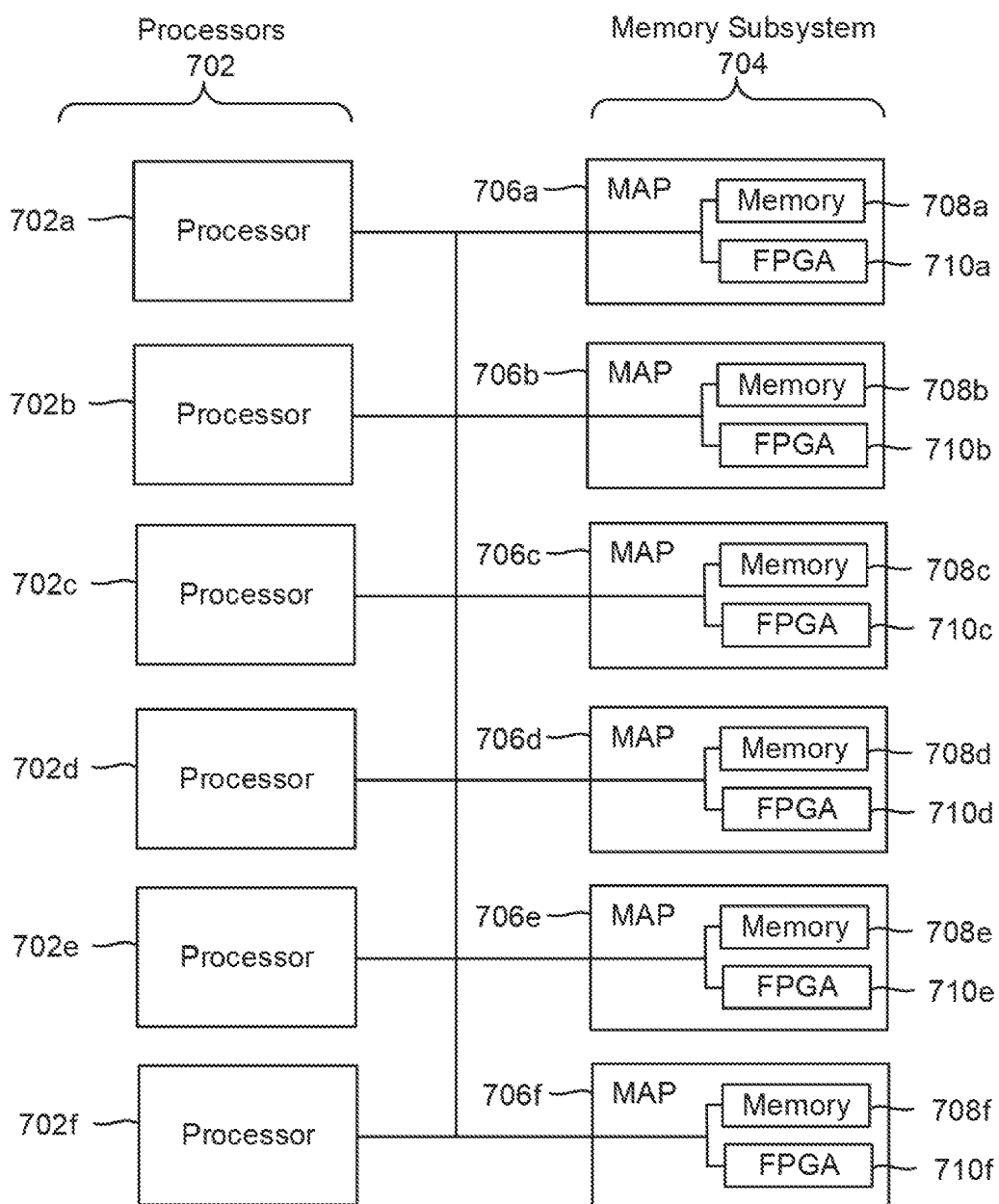


FIG. 6

**FIG. 7**

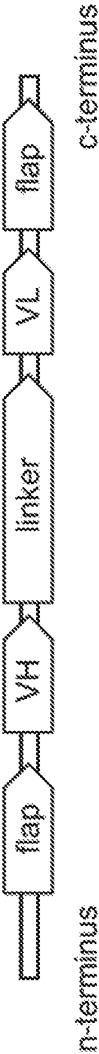


FIG. 8A

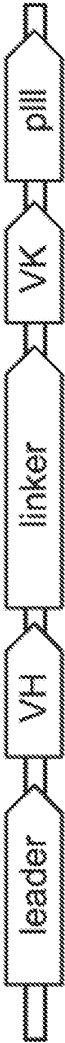


FIG. 8B

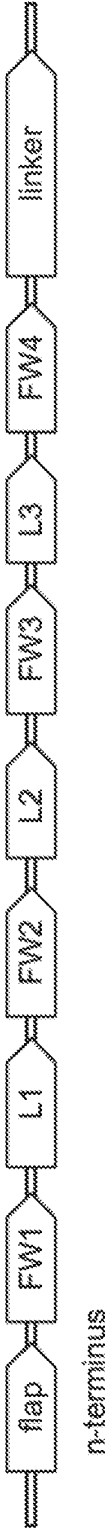
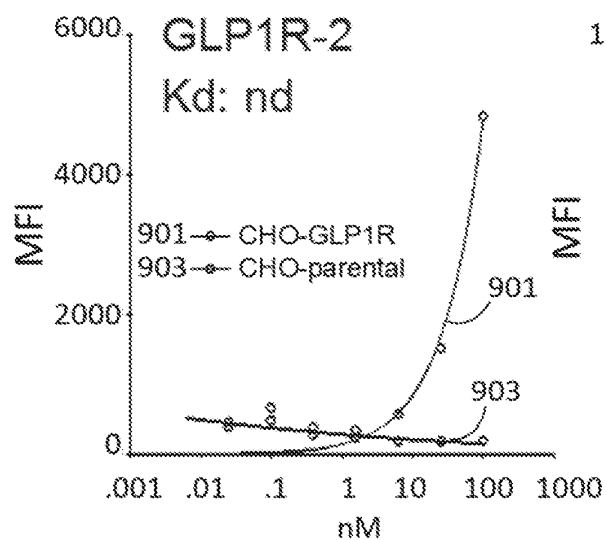
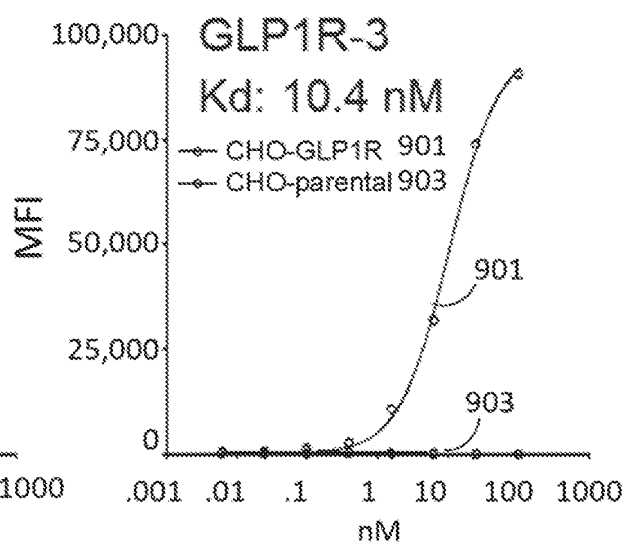
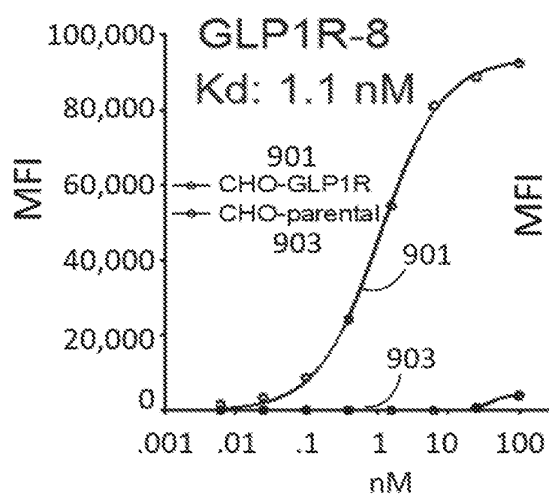
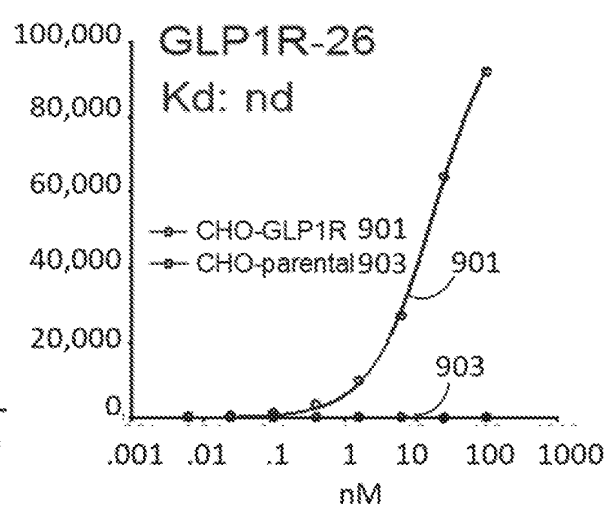
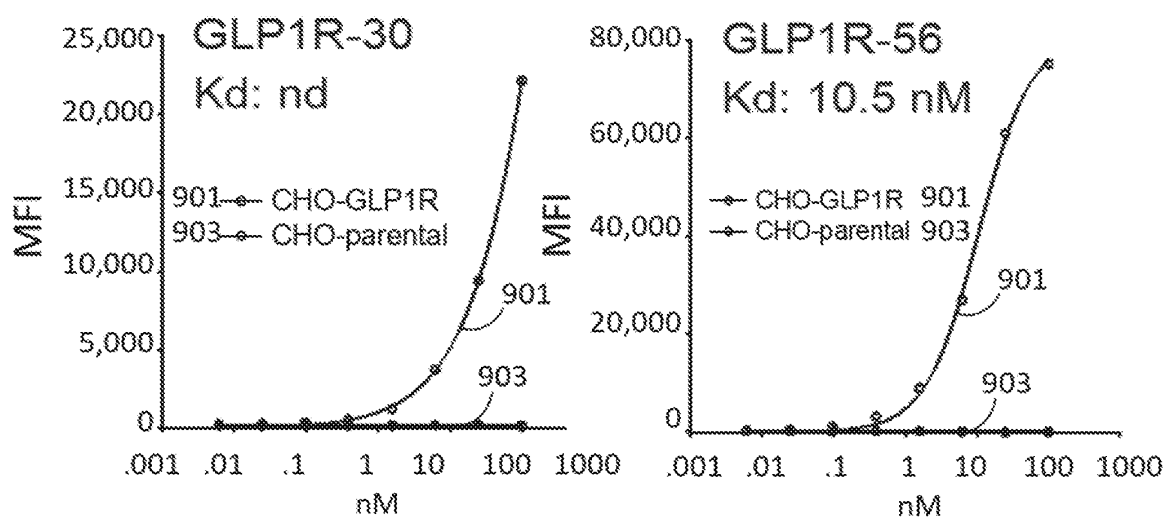
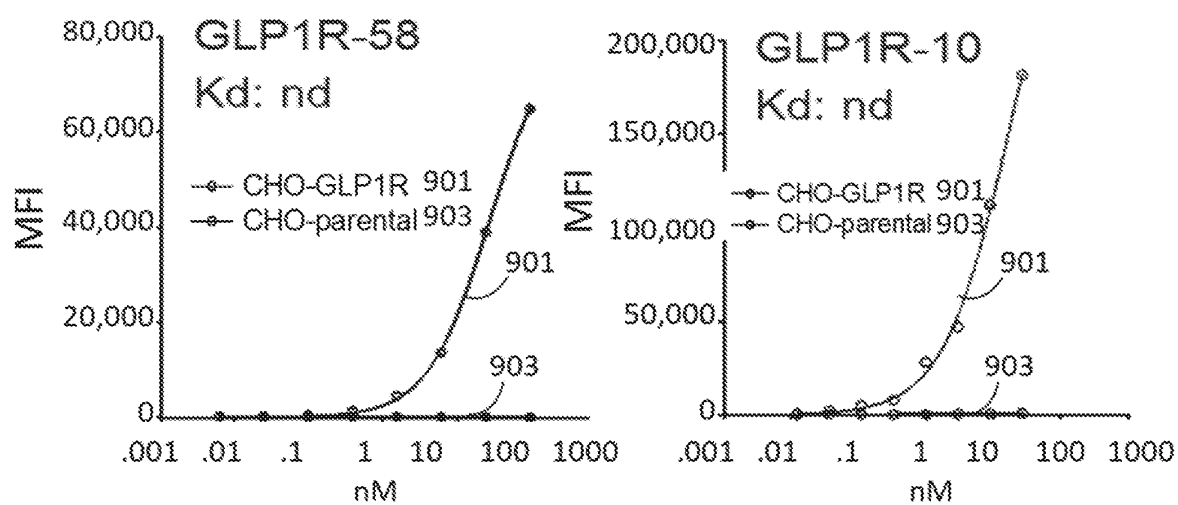
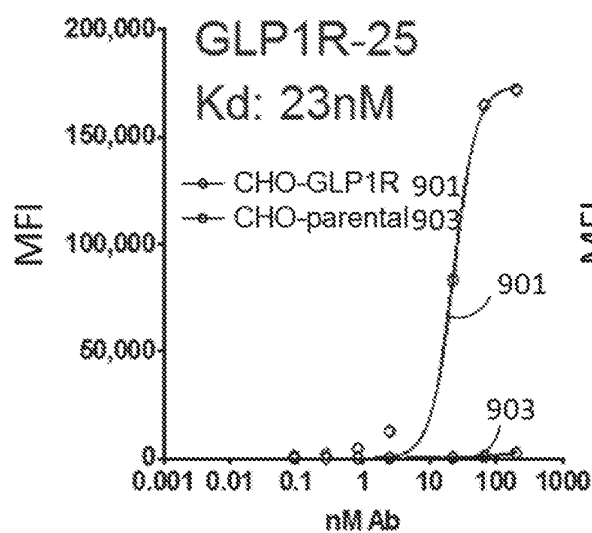
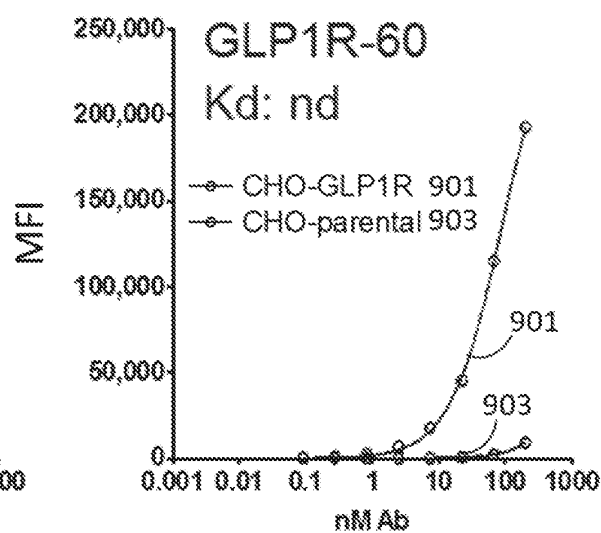
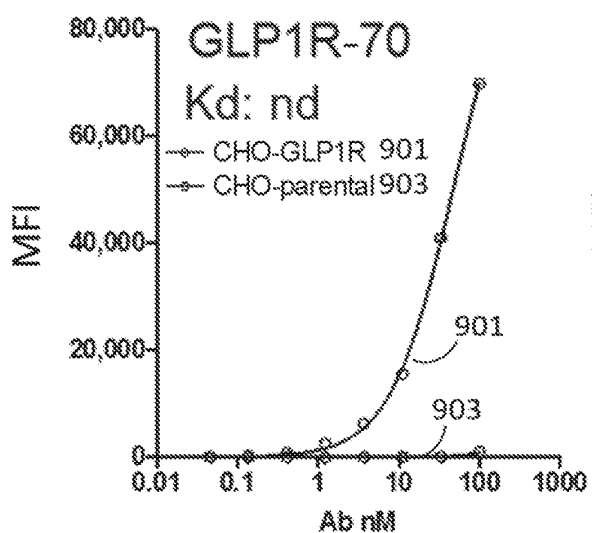
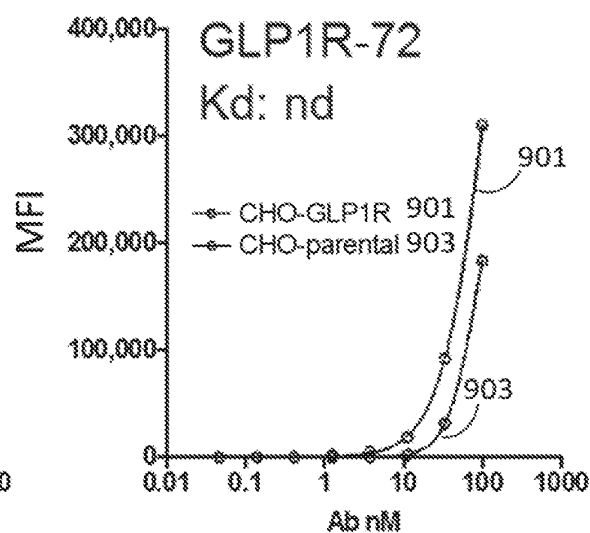
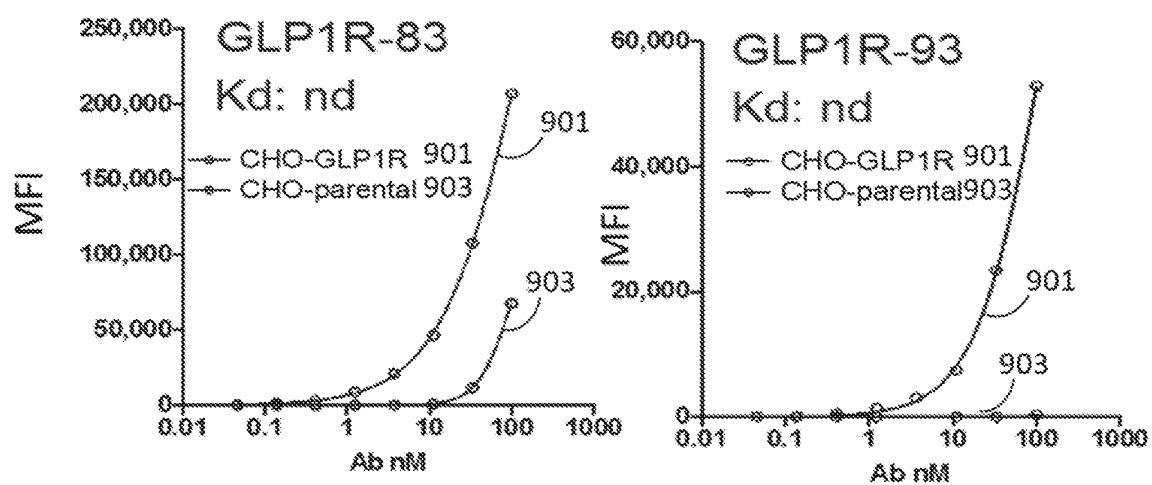
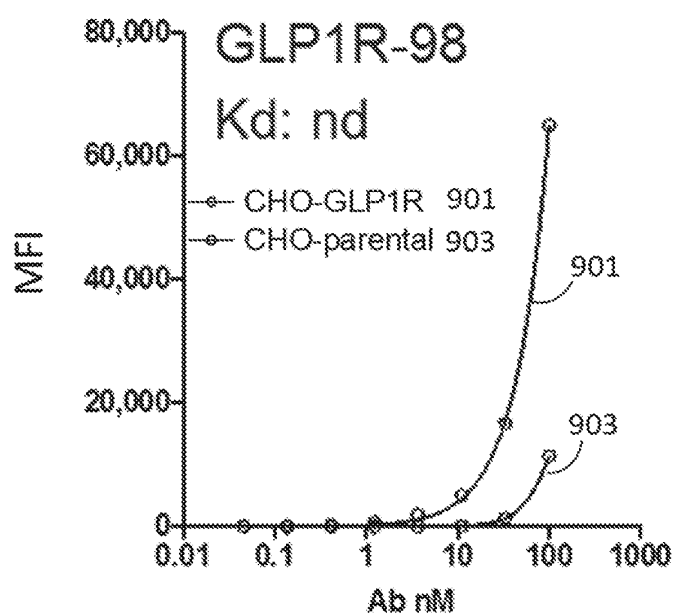


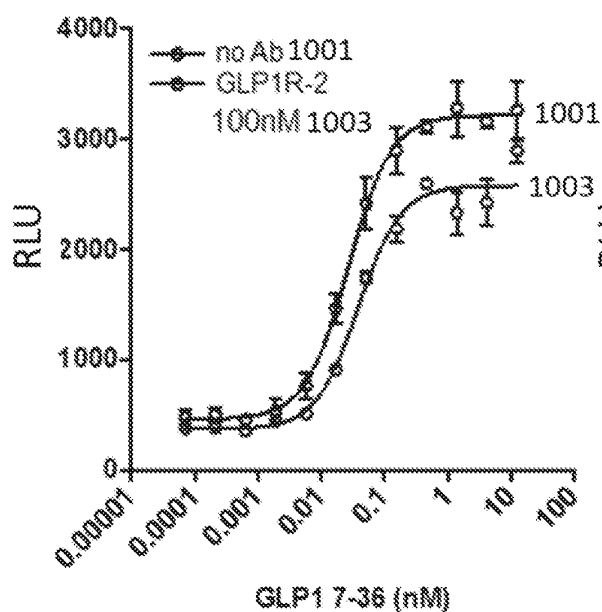
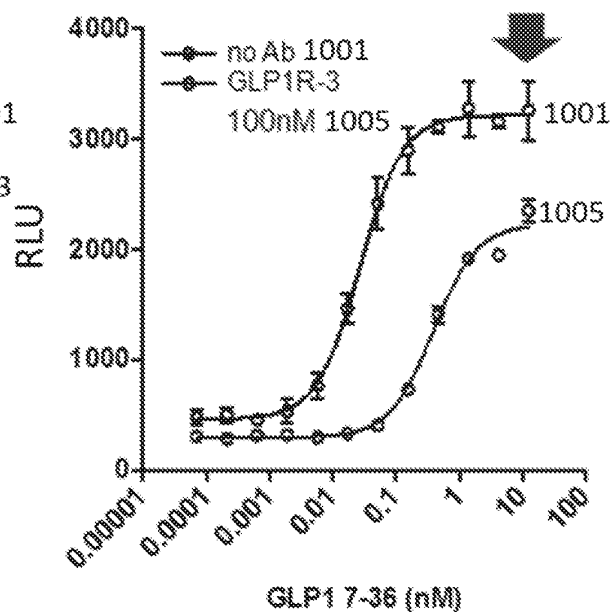
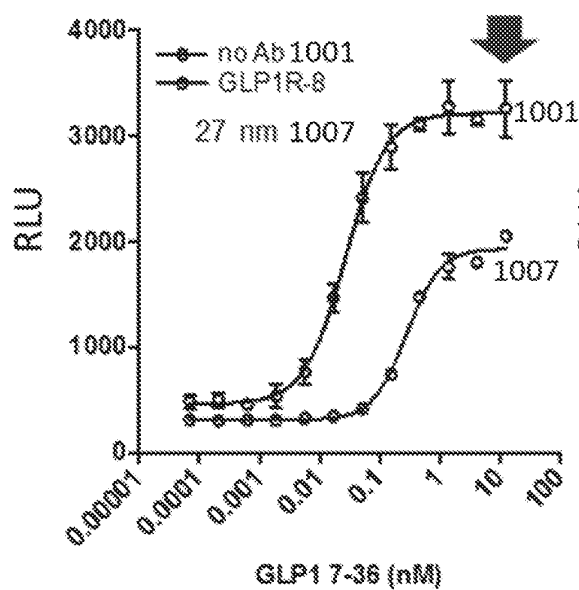
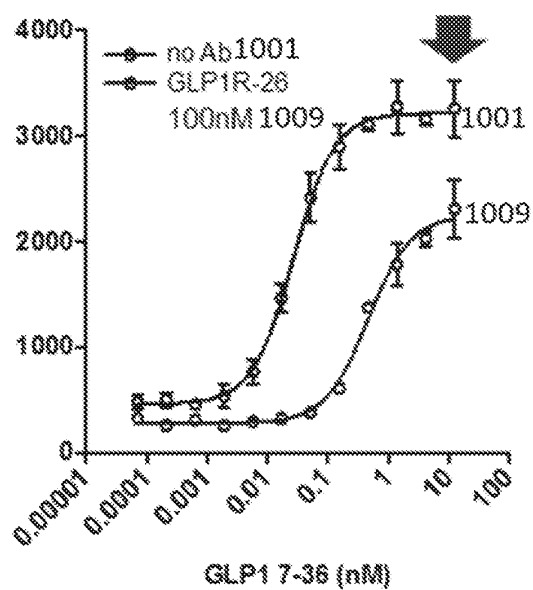
FIG. 8C

**FIG. 9A****FIG. 9B****FIG. 9C****FIG. 9D**

**FIG. 9E****FIG. 9F****FIG. 9G****FIG. 9H**

**FIG. 9I****FIG. 9J****FIG. 9K****FIG. 9L**

**FIG. 9M****FIG. 9N****FIG. 9O**

**FIG. 10A****FIG. 10B****FIG. 10C****FIG. 10D**

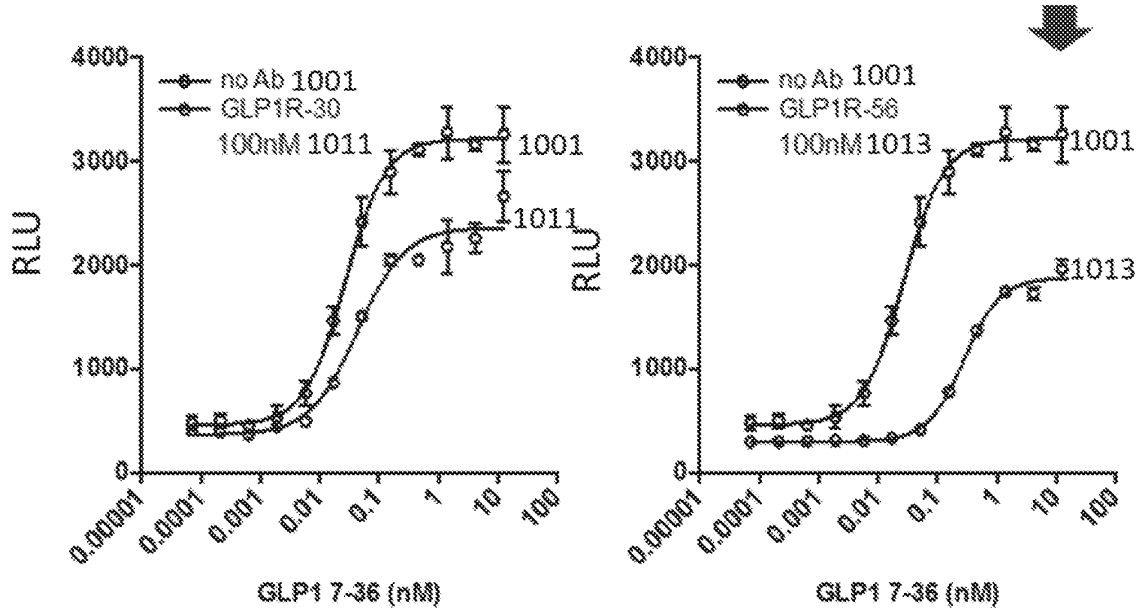


FIG. 10E

FIG. 10F

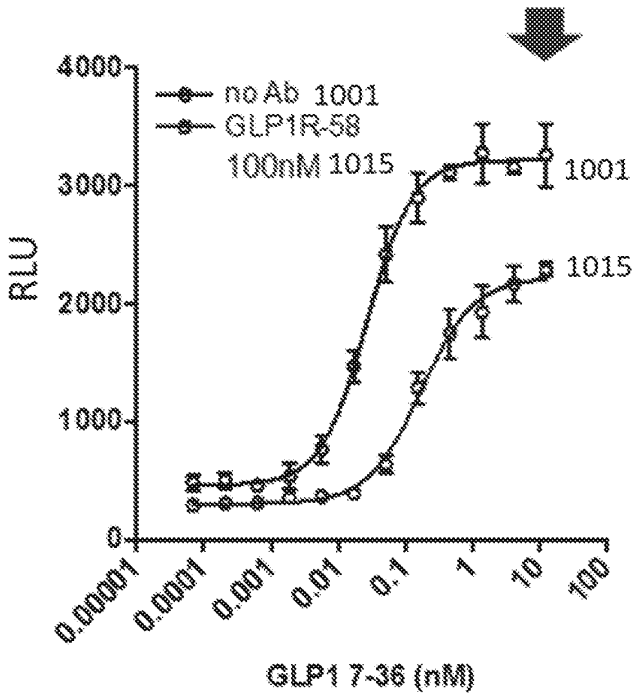


FIG. 10G

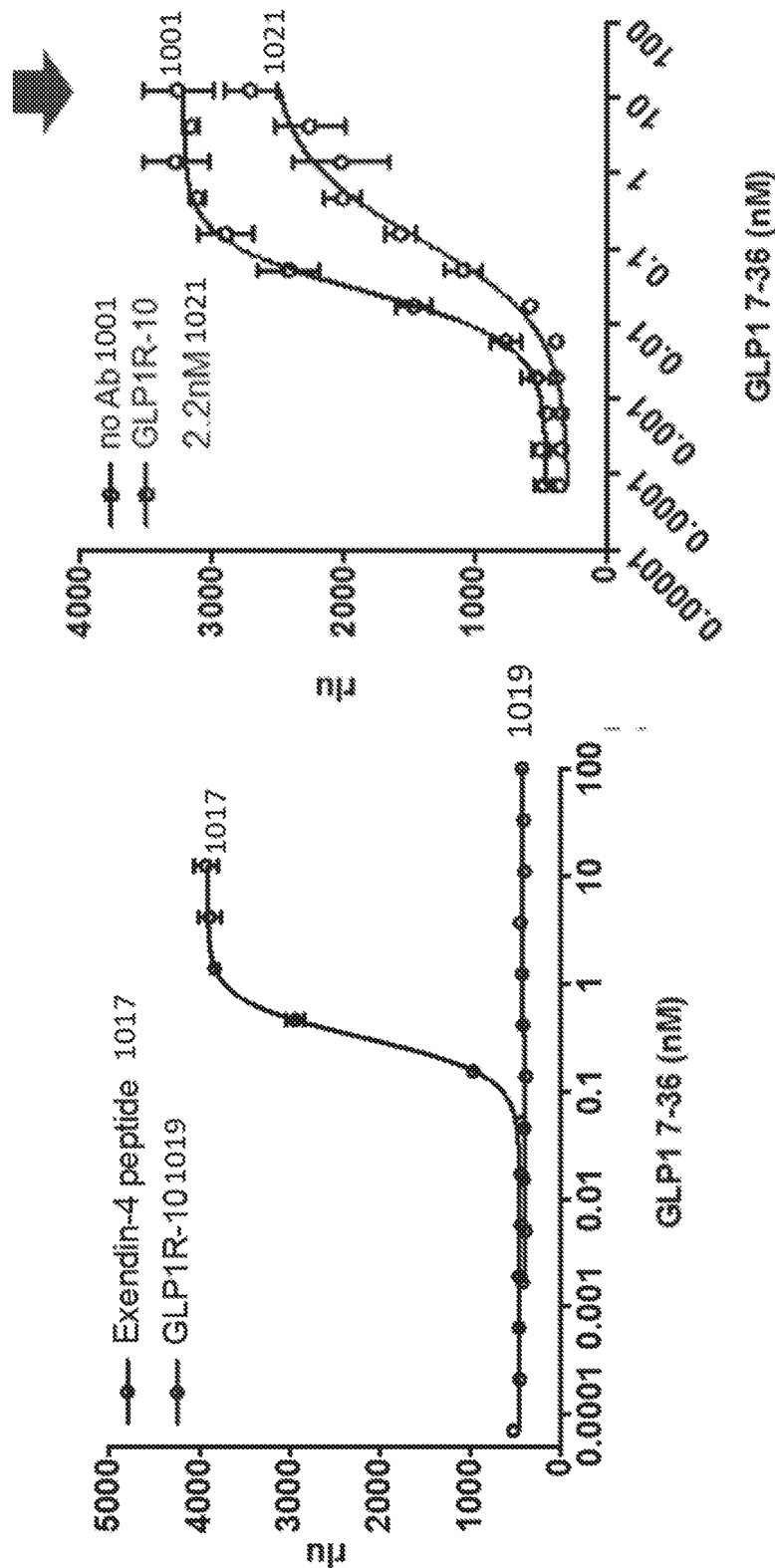
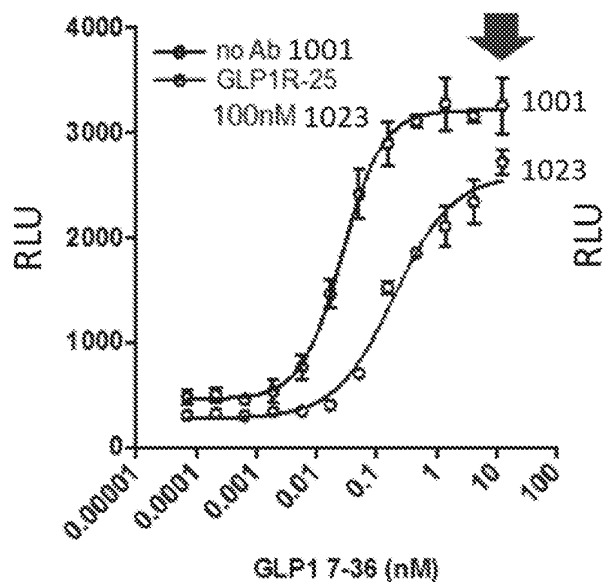
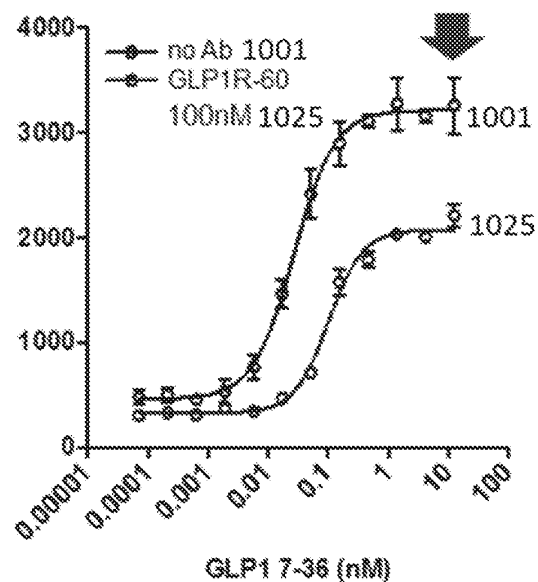
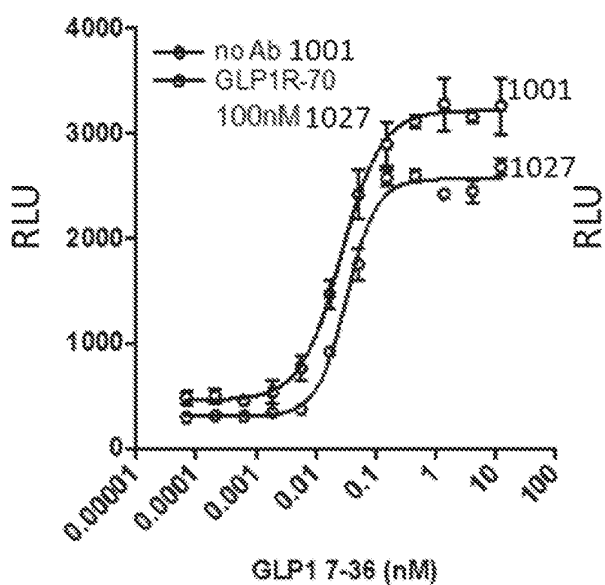
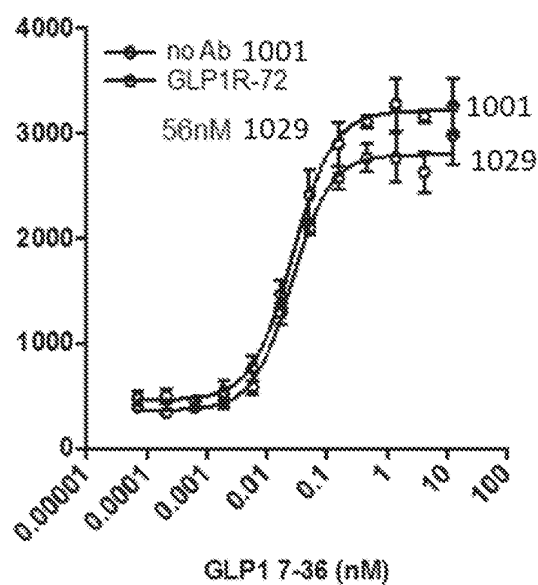
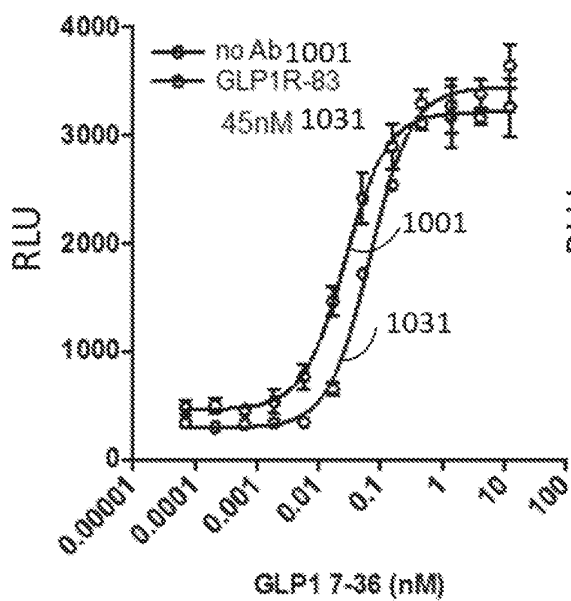
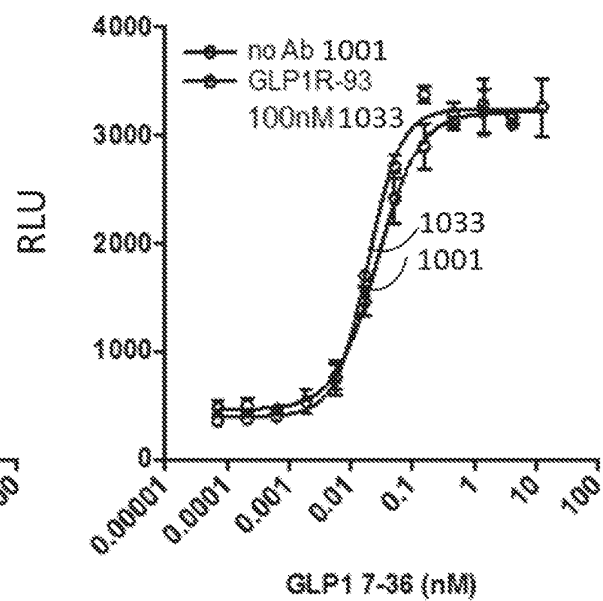
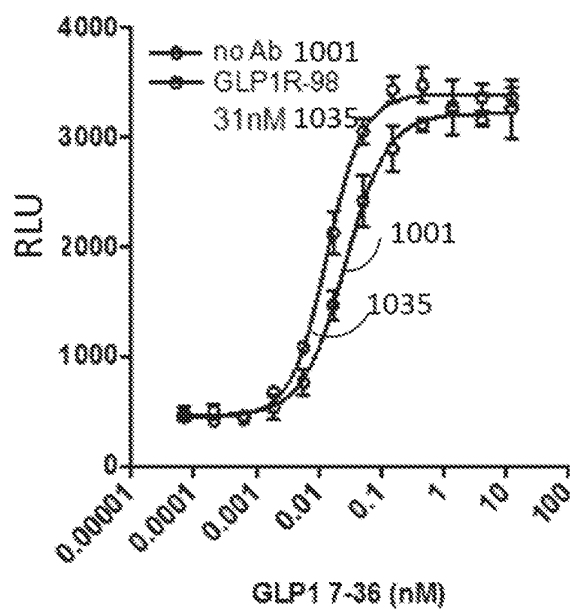
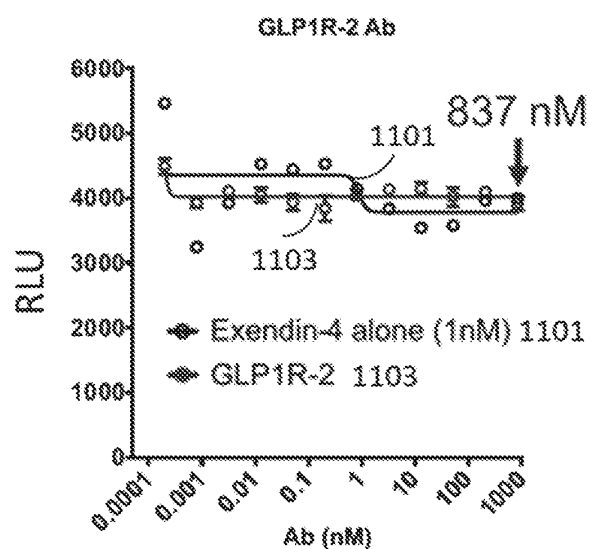
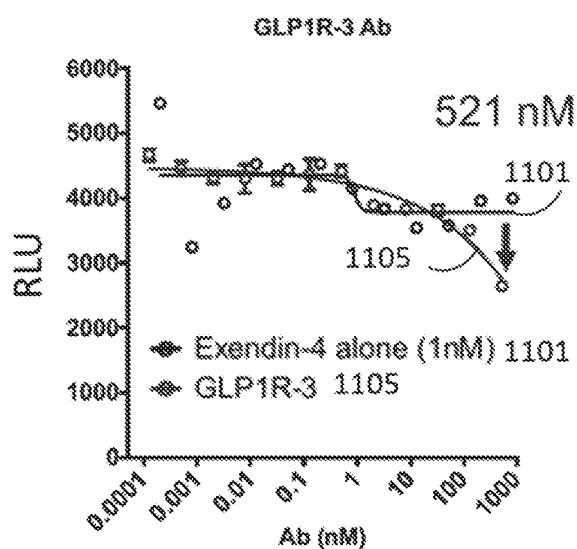
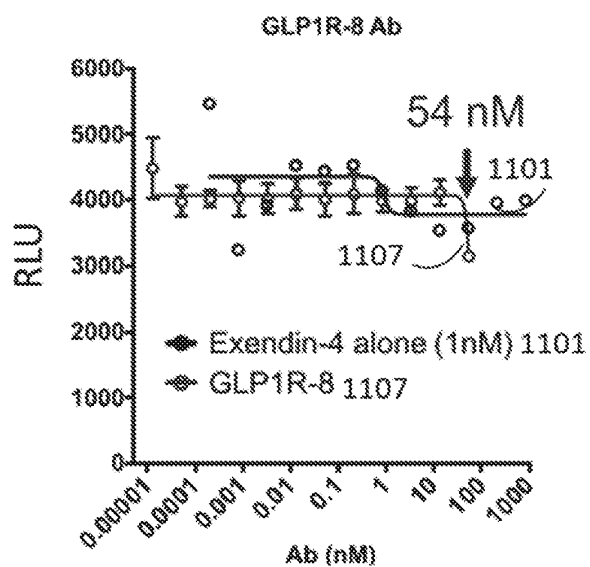
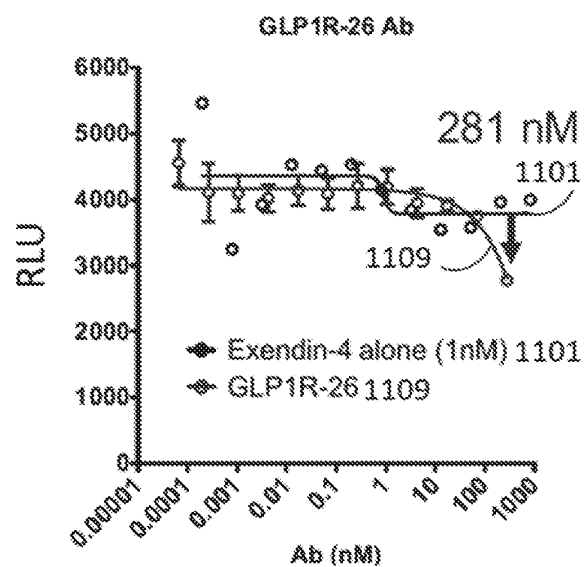


FIG. 10H

**FIG. 10I****FIG. 10J****FIG. 10K****FIG. 10L**

**FIG. 10M****FIG. 10N****FIG. 10O**

**FIG. 11A****FIG. 11B****FIG. 11C****FIG. 11D**

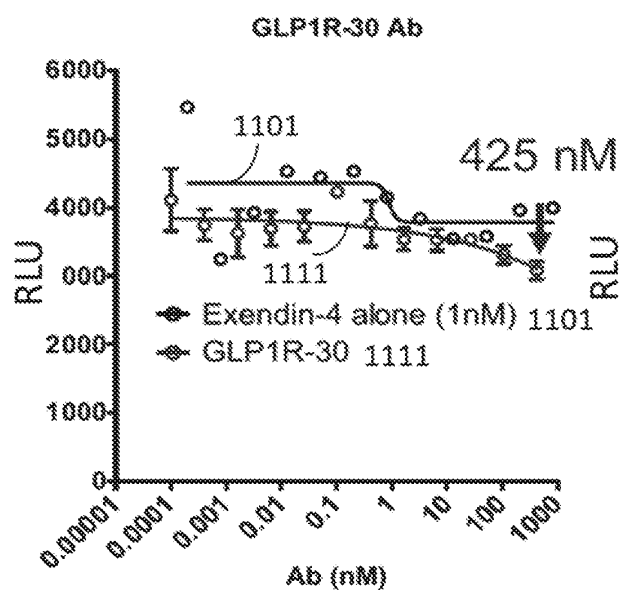


FIG. 11E

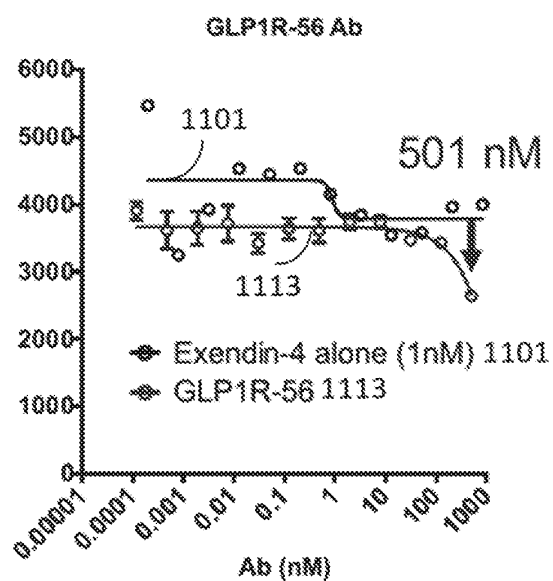


FIG. 11F

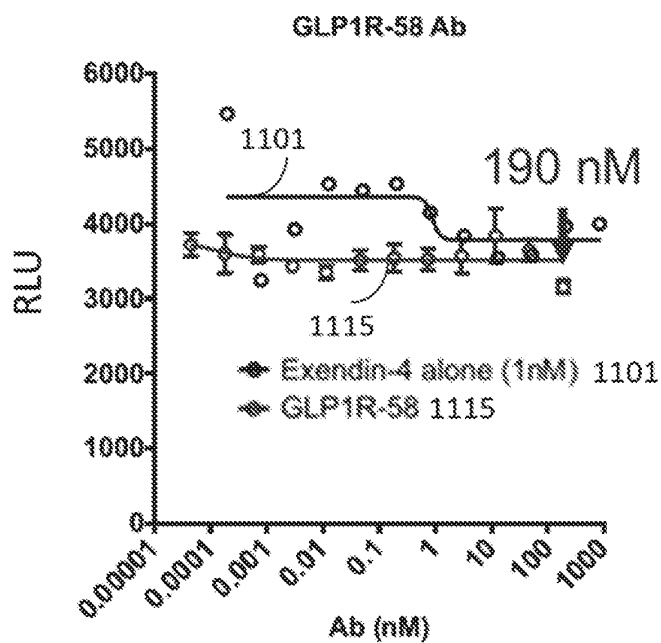


FIG. 11G

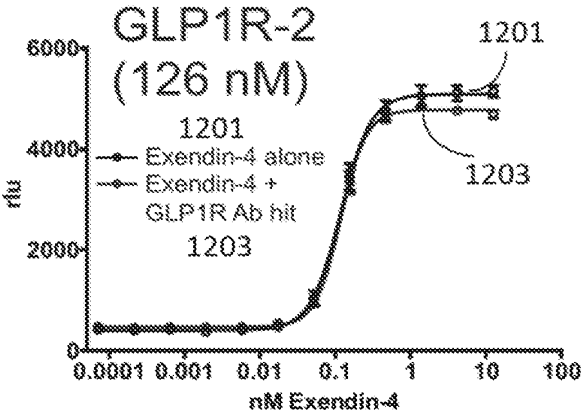


FIG. 12A

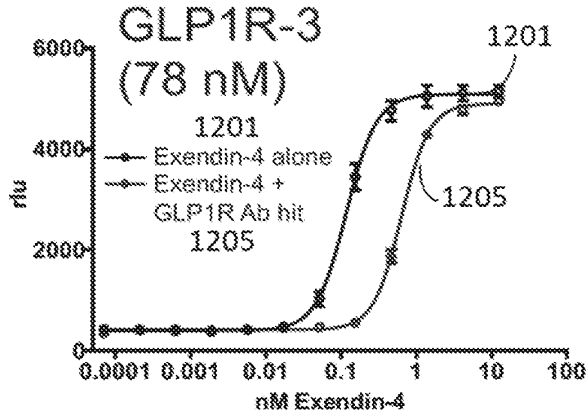


FIG. 12B

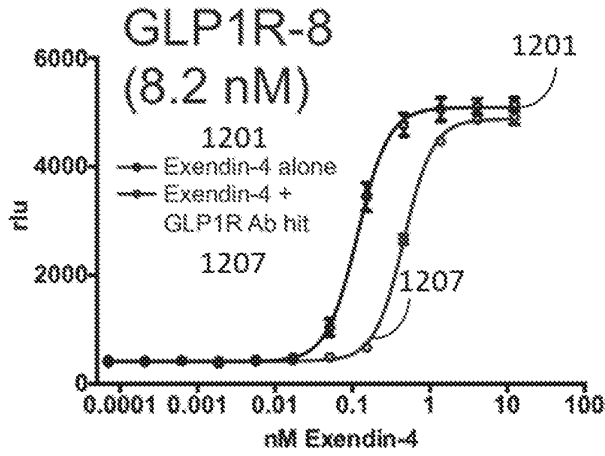


FIG. 12C

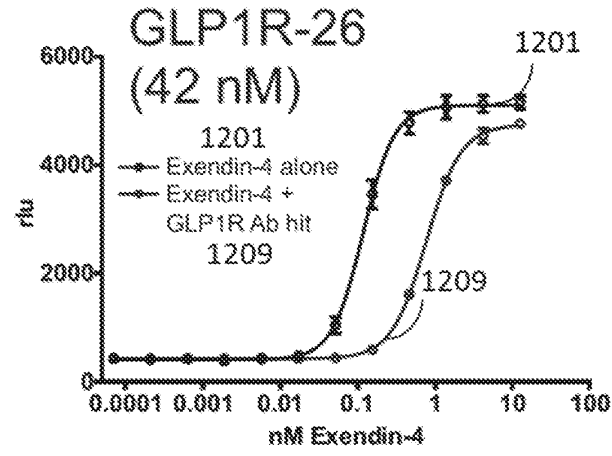


FIG. 12D

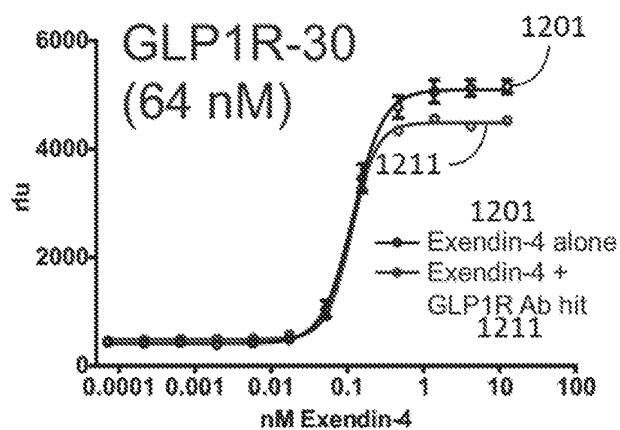


FIG. 12E

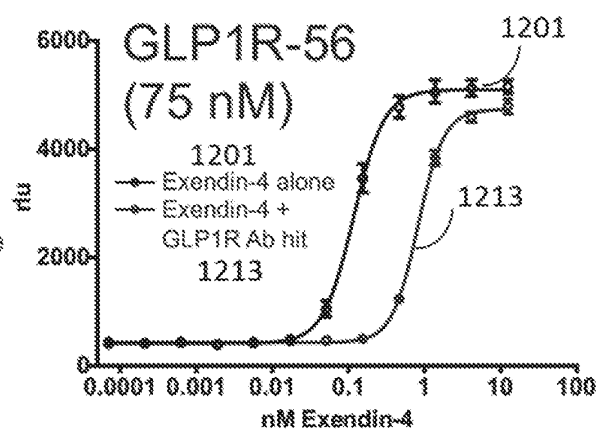


FIG. 12F

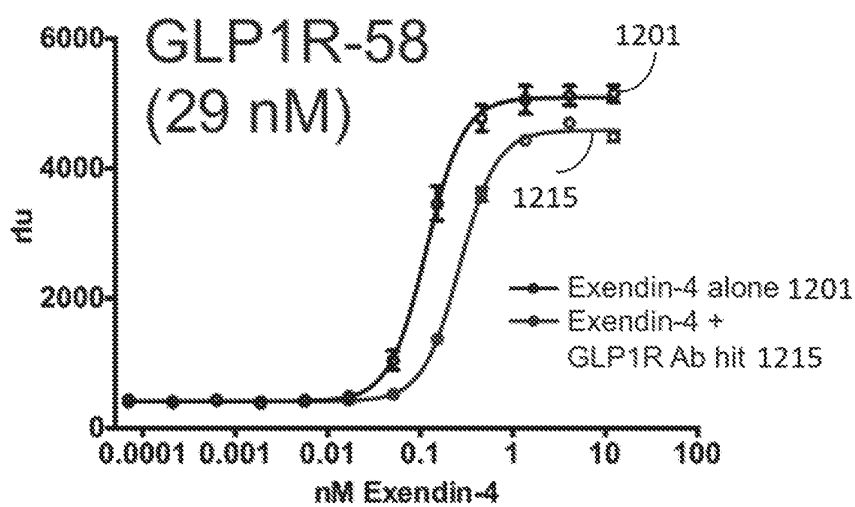


FIG. 12G

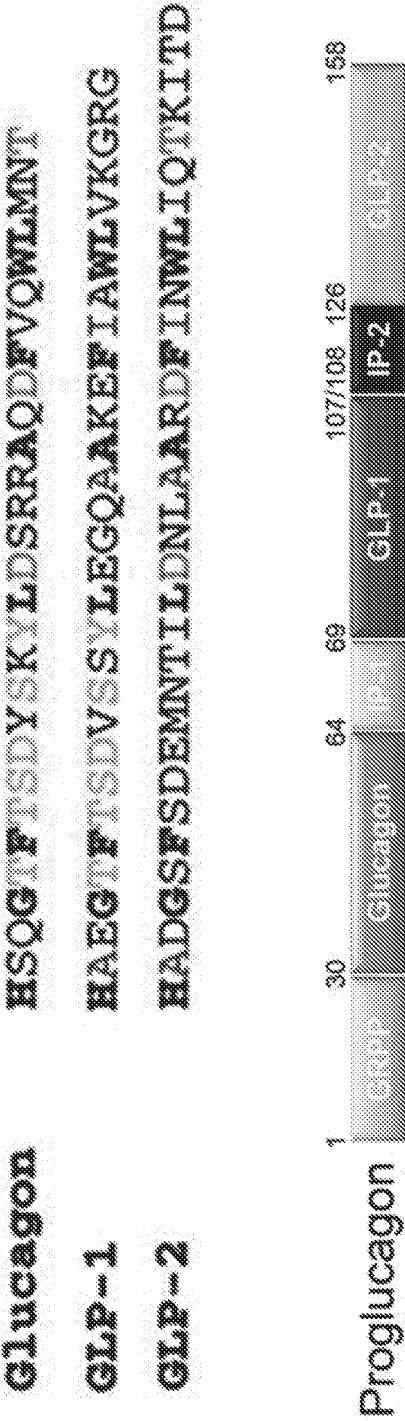


FIG. 13

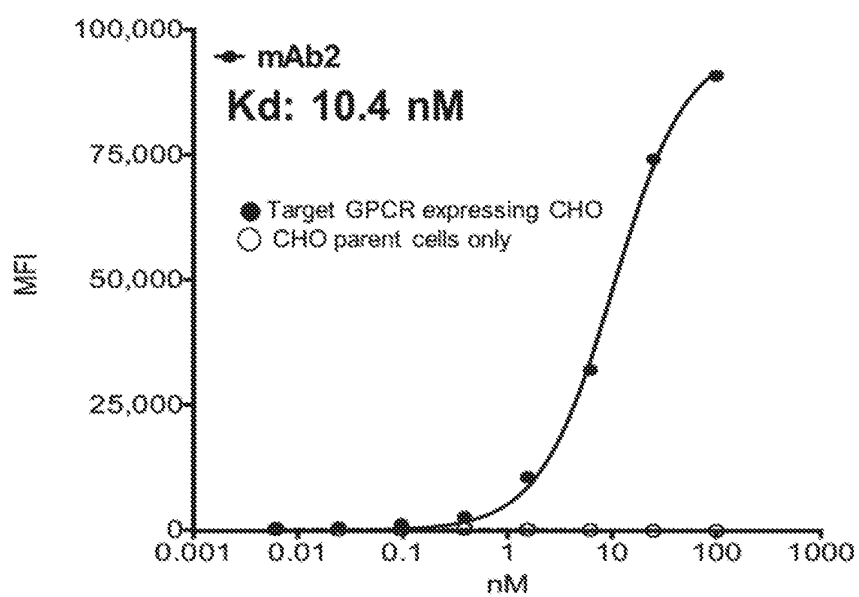


FIG. 14A

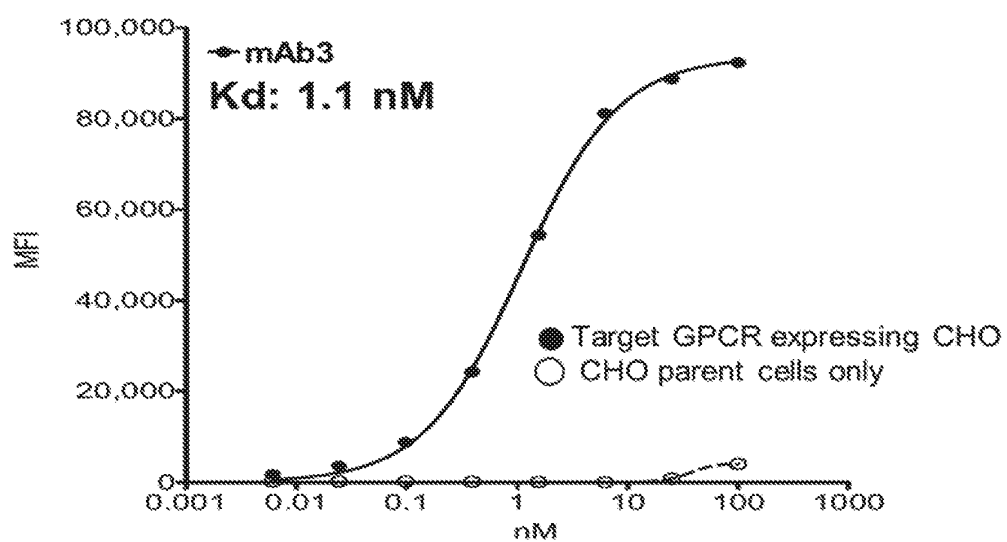
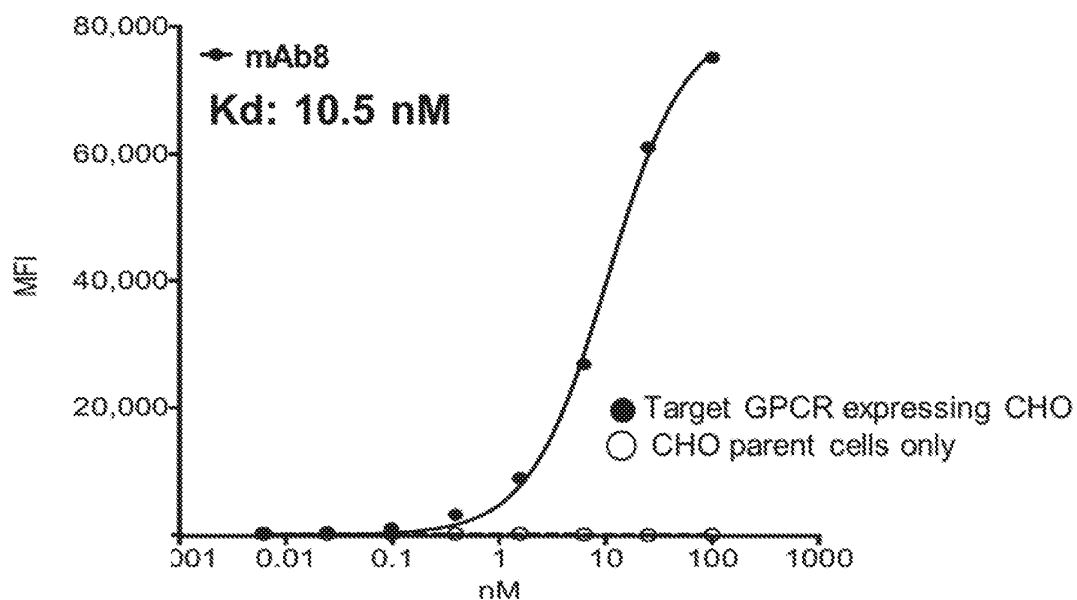
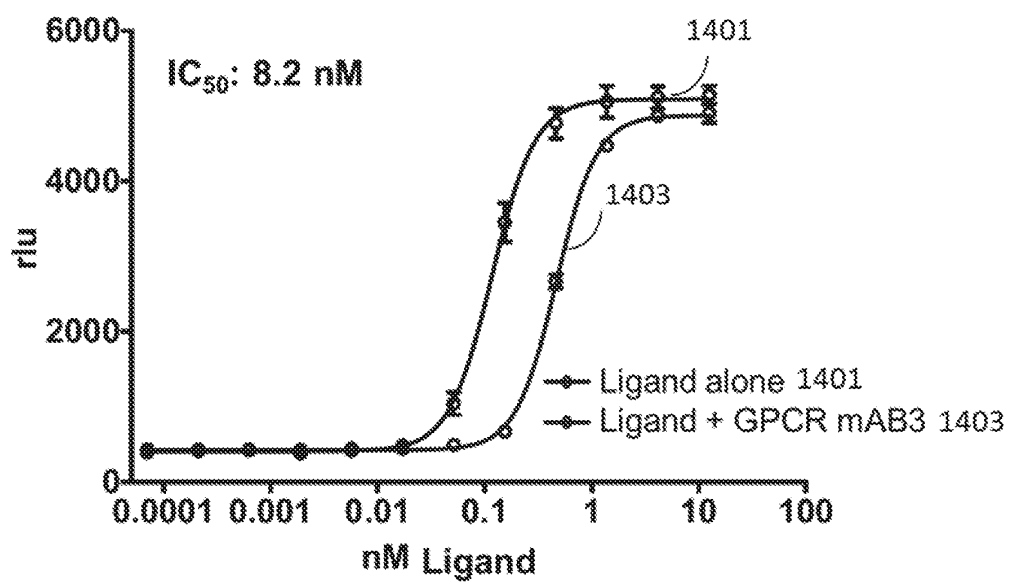


FIG. 14B

**FIG. 14C****FIG. 14D**

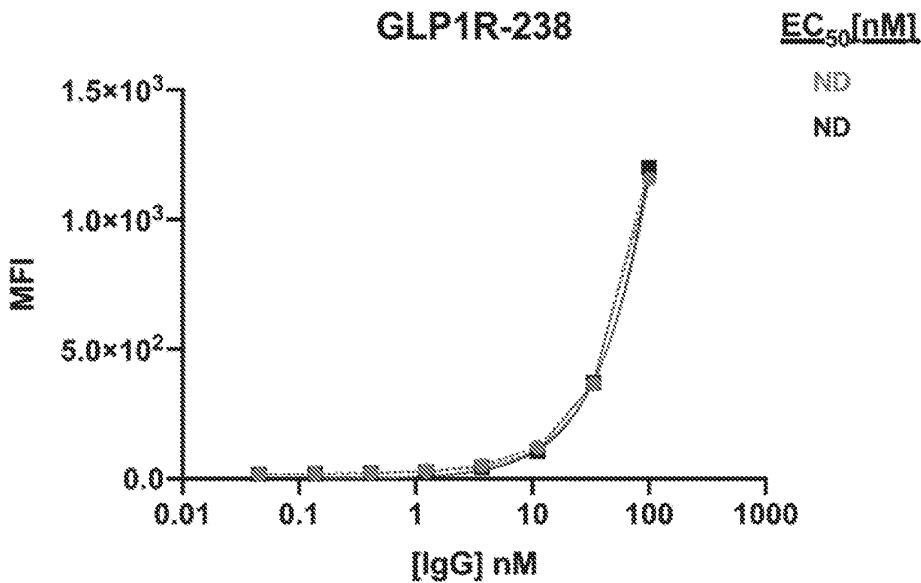


FIG. 15A

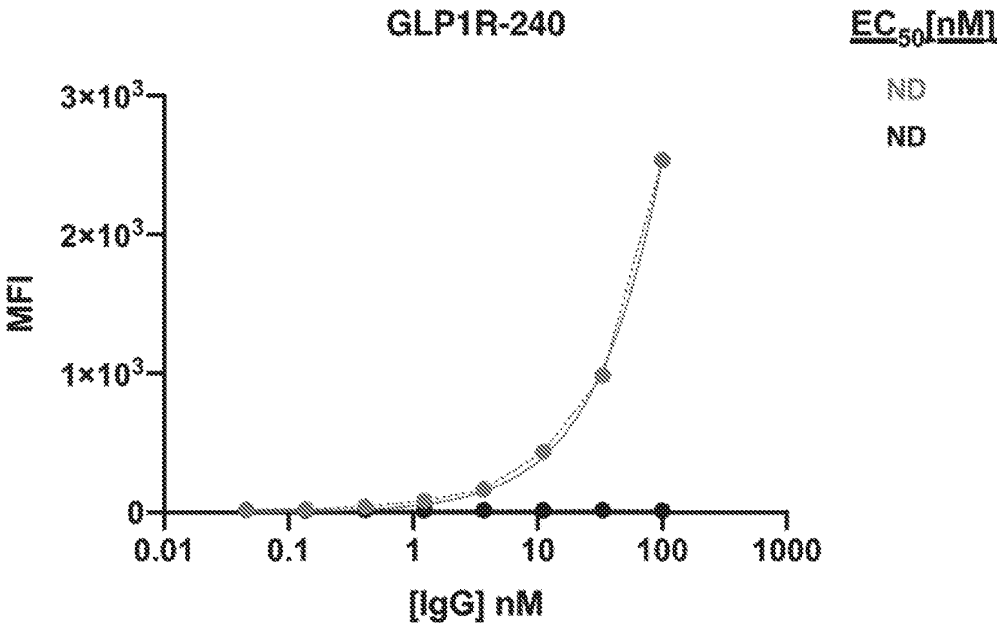


FIG. 15B

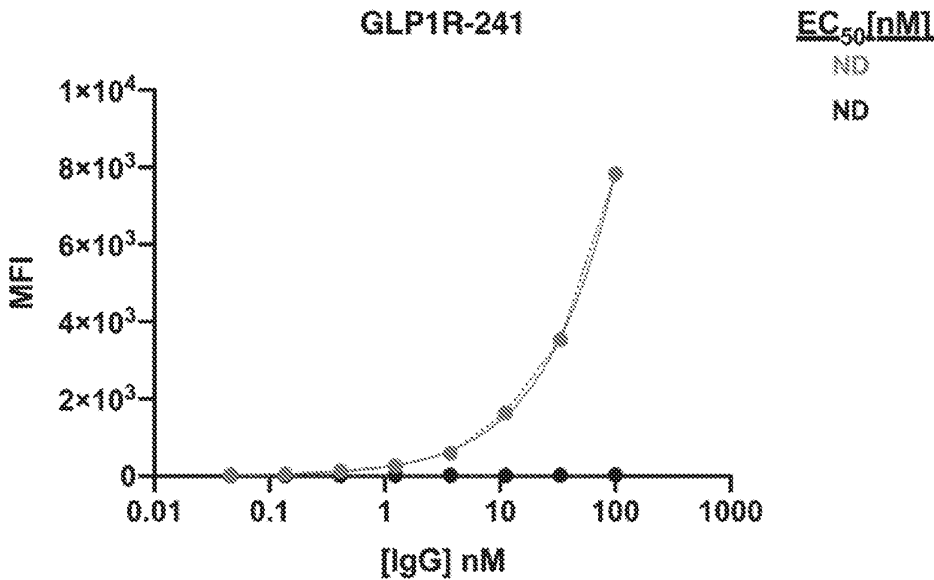


FIG. 15C

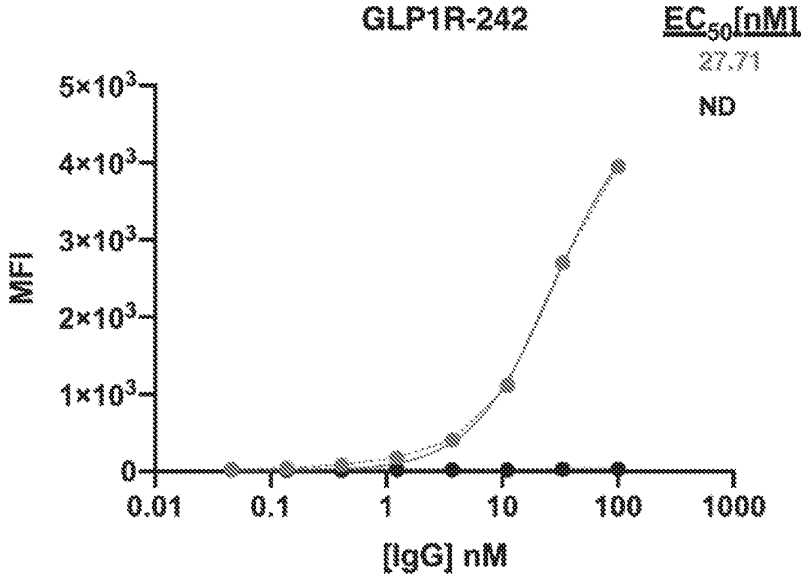


FIG. 15D

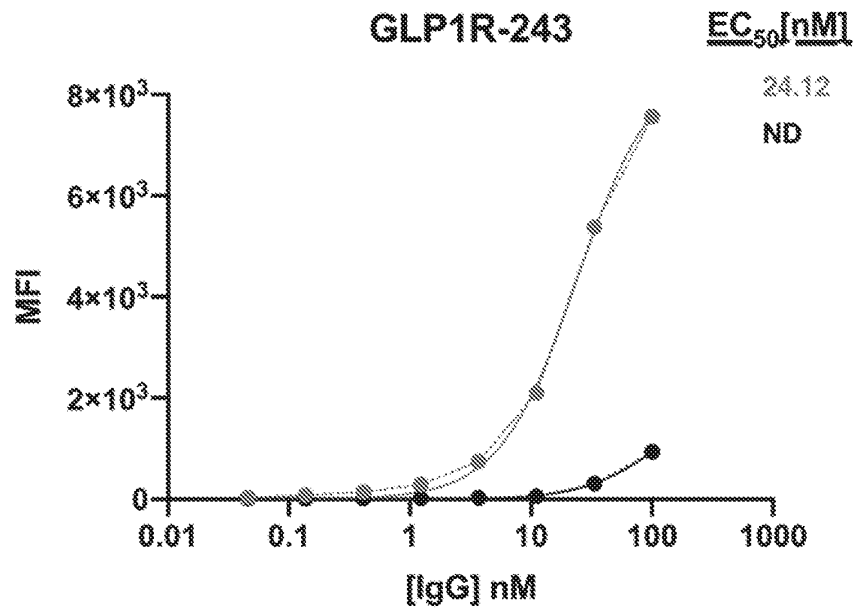


FIG. 15E

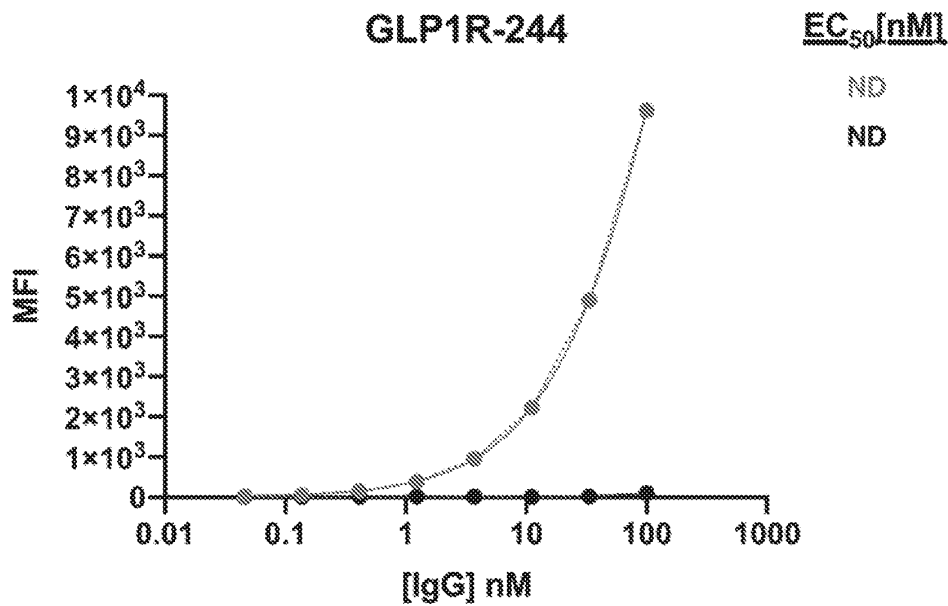


FIG. 15F

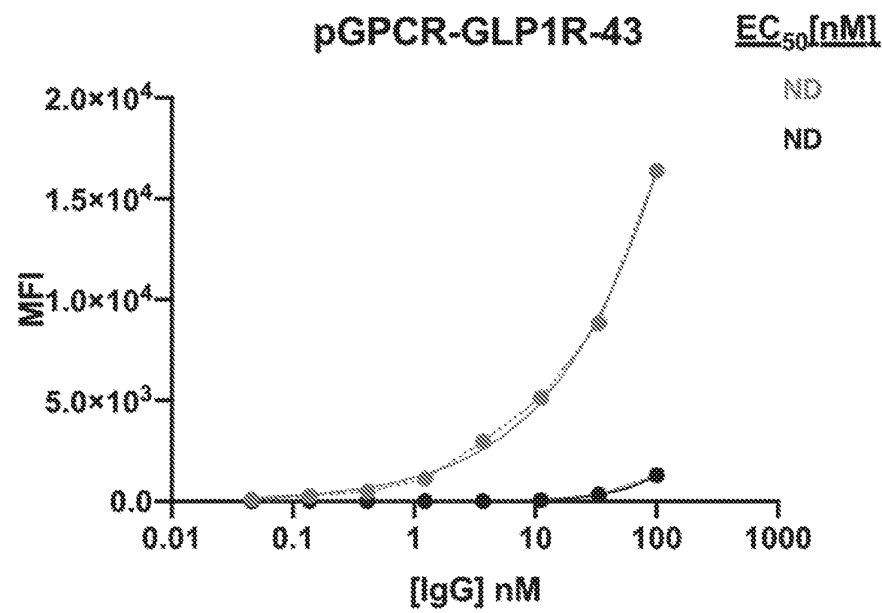


FIG. 15G

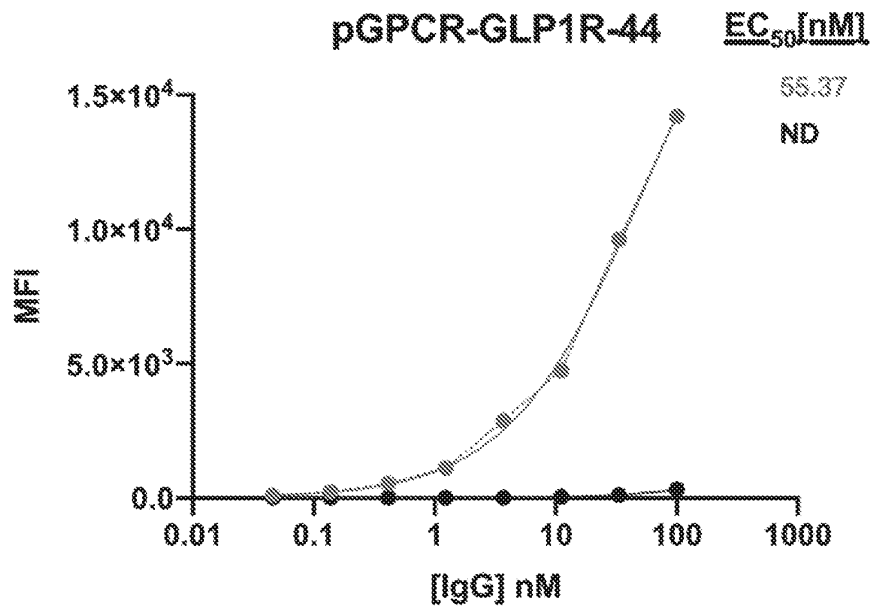


FIG. 15H

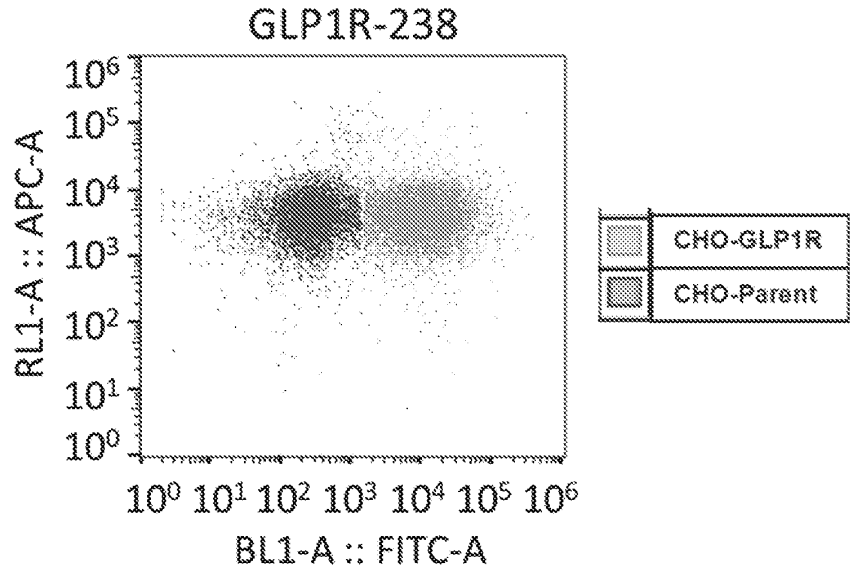


FIG. 16A

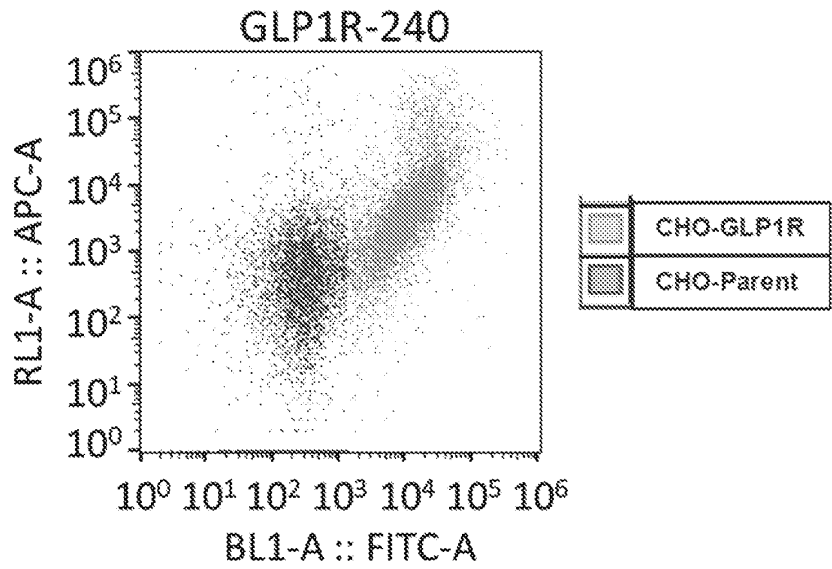


FIG. 16B

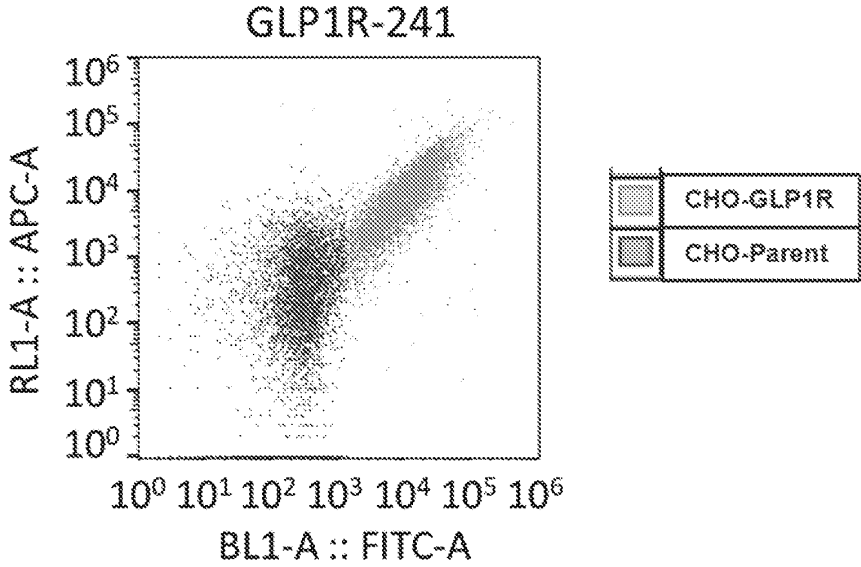


FIG. 16C

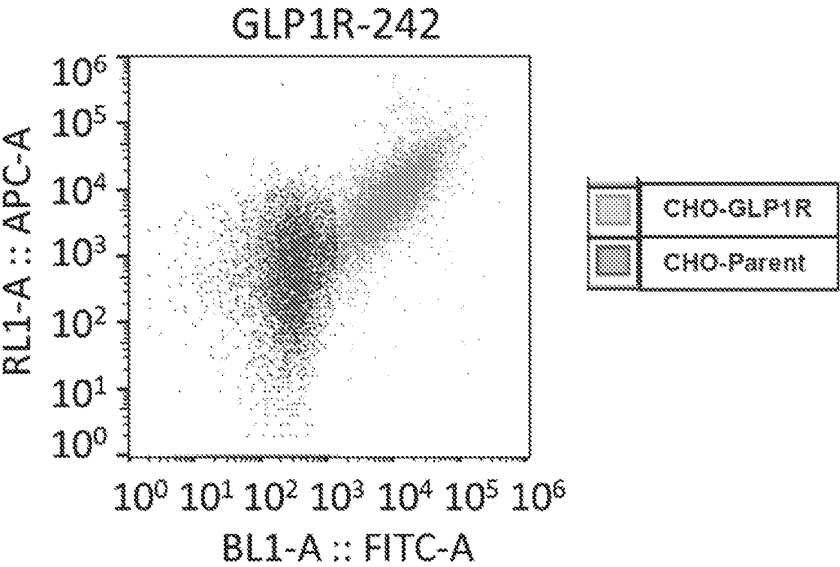
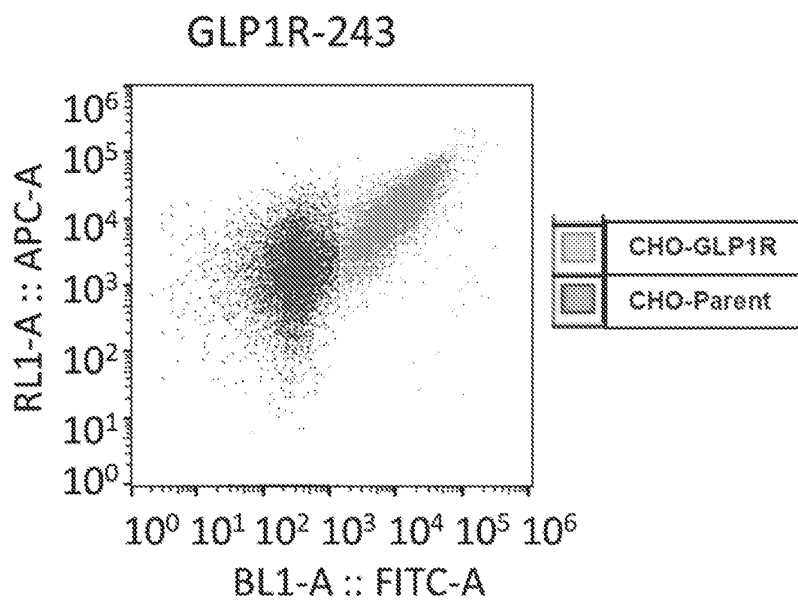
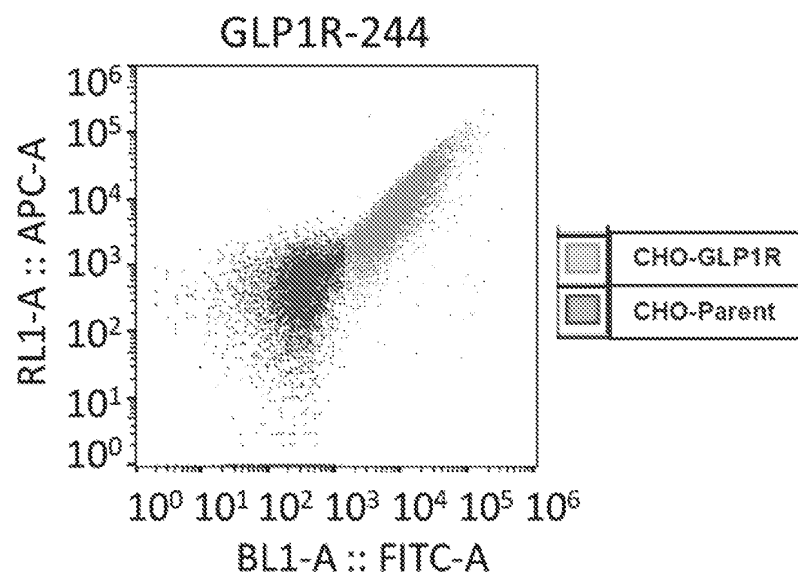
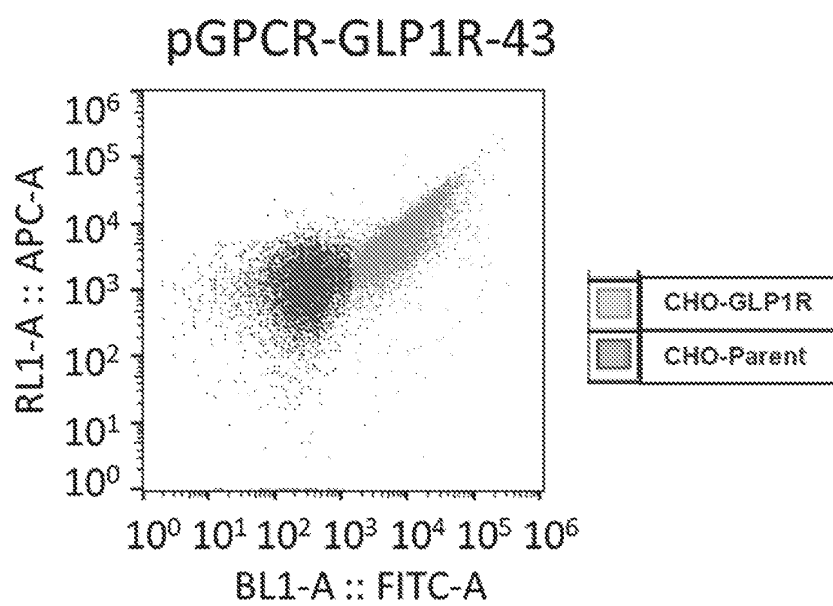
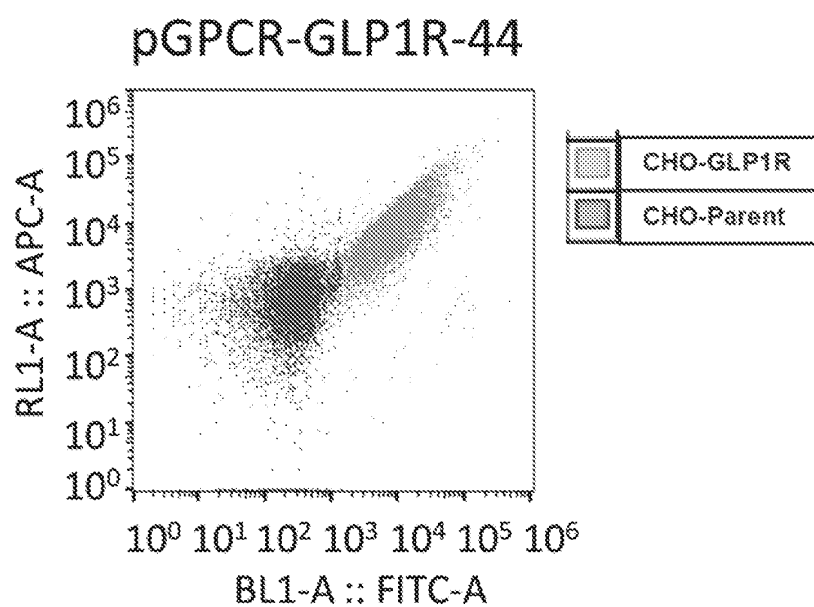
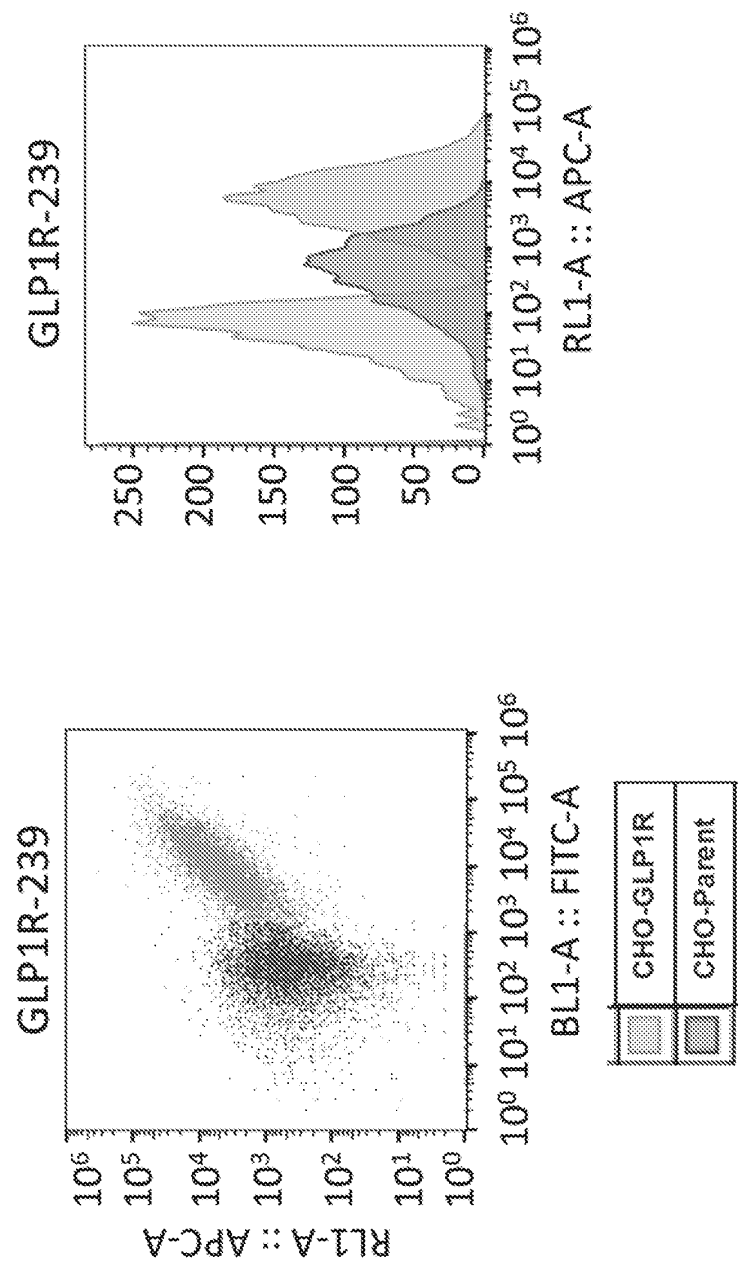


FIG. 16D

**FIG. 16E****FIG. 16F**

**FIG. 16G****FIG. 16H**



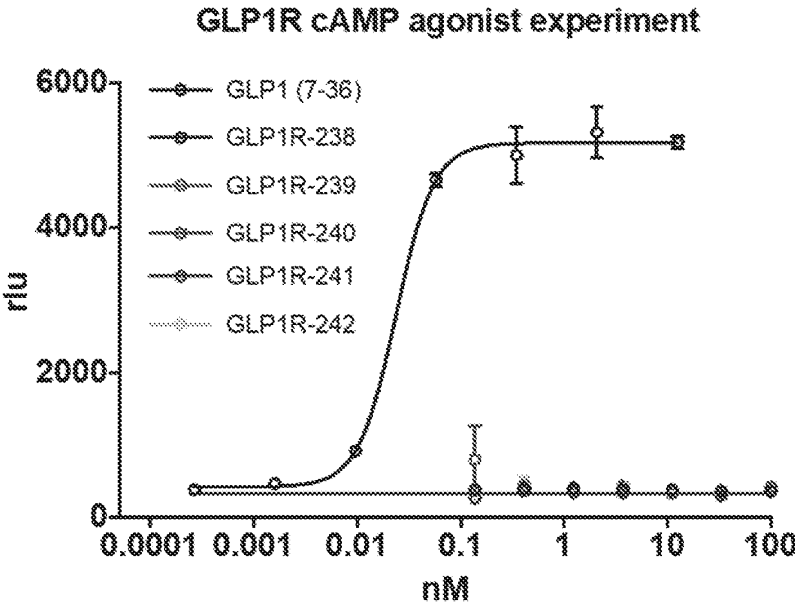


FIG. 17A

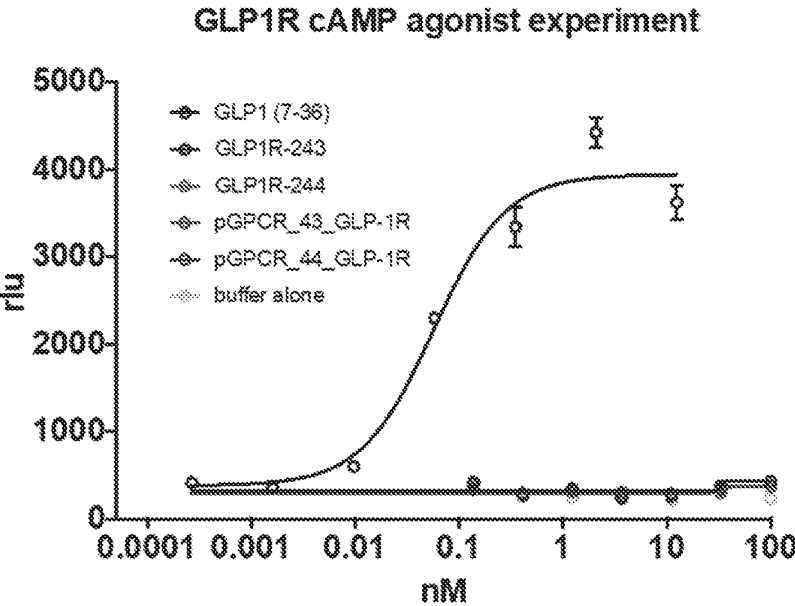


FIG. 17B

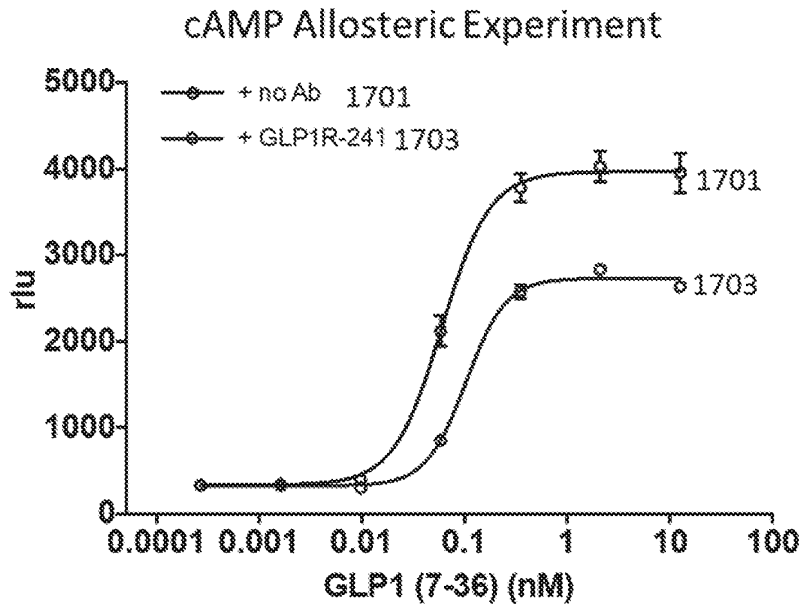


FIG. 17C

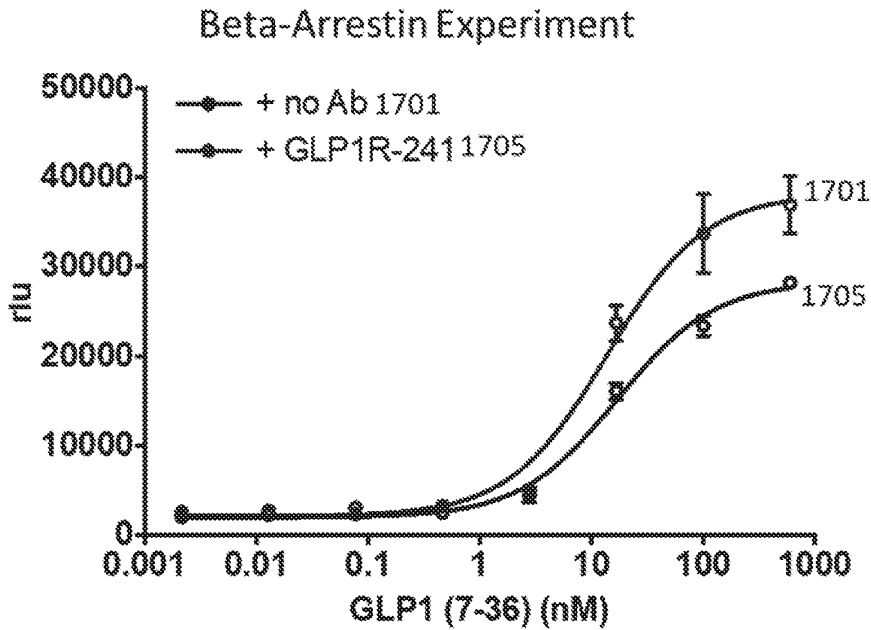
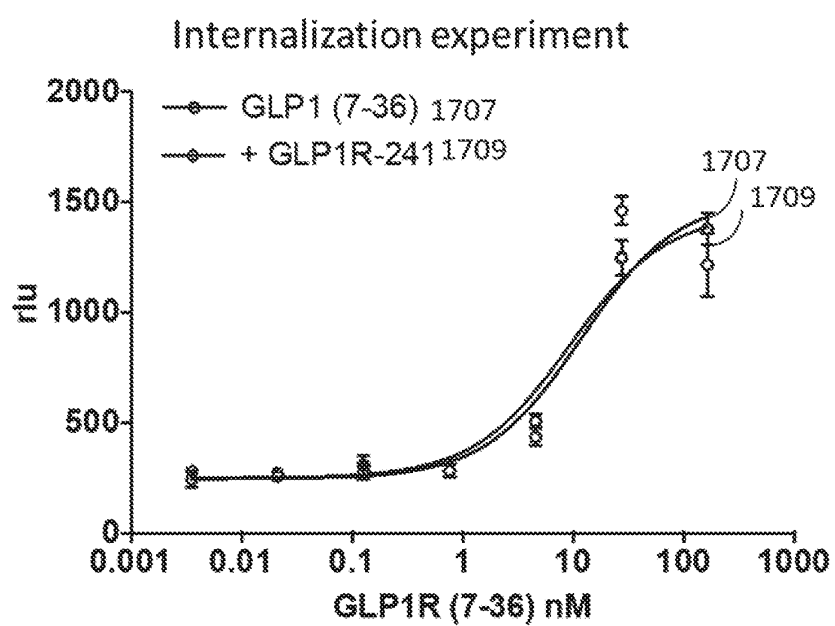
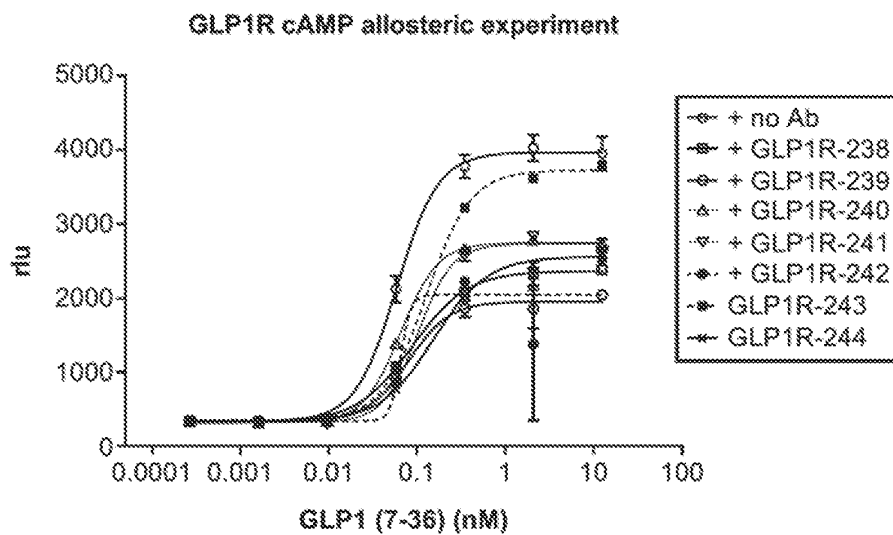
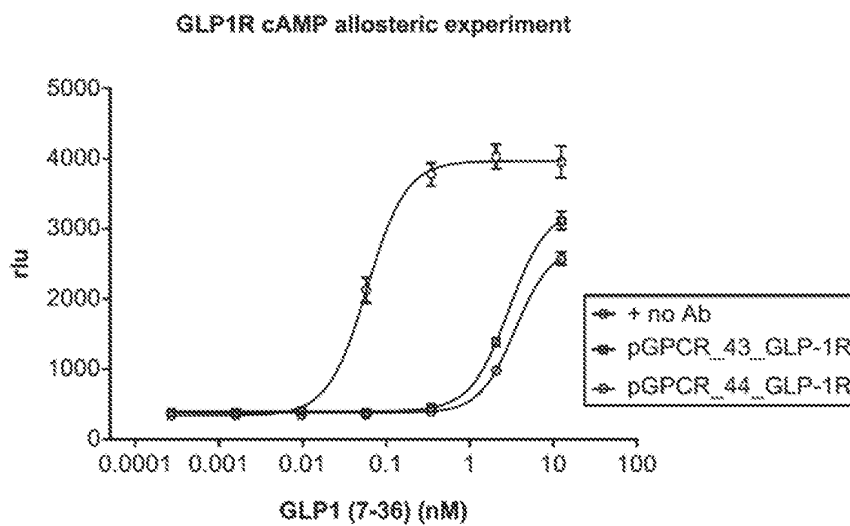
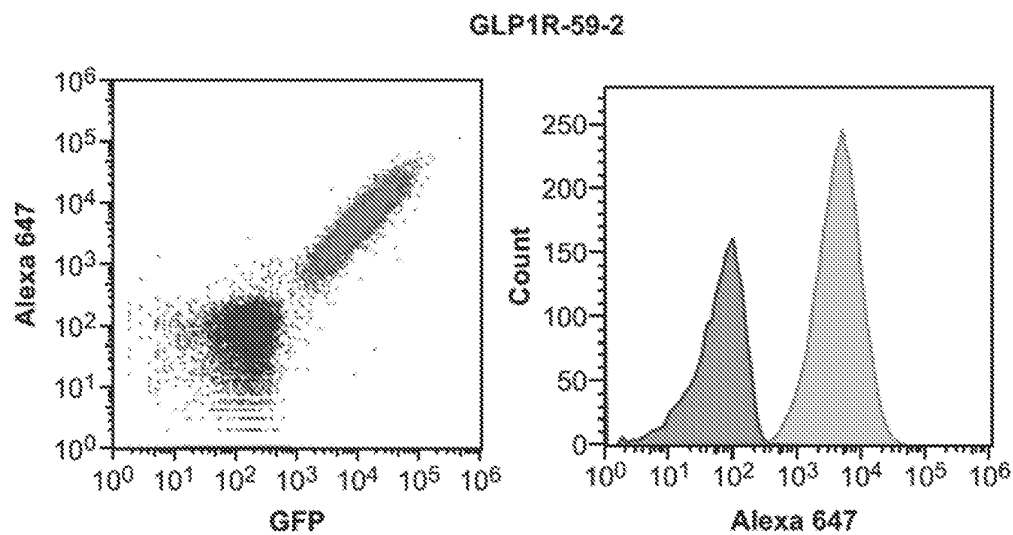


FIG. 17D

**FIG. 17E**

**FIG. 18A****FIG. 18B**



Red= CHO Parent
Blue= CHO GLP1R-GFP

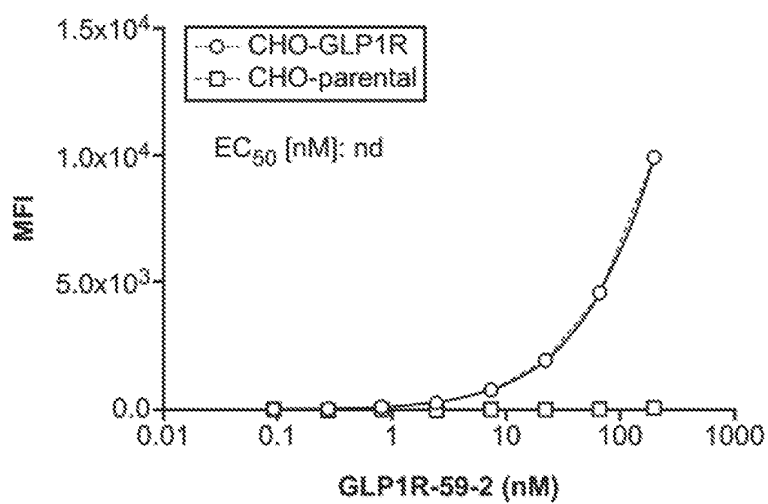


FIG. 19A

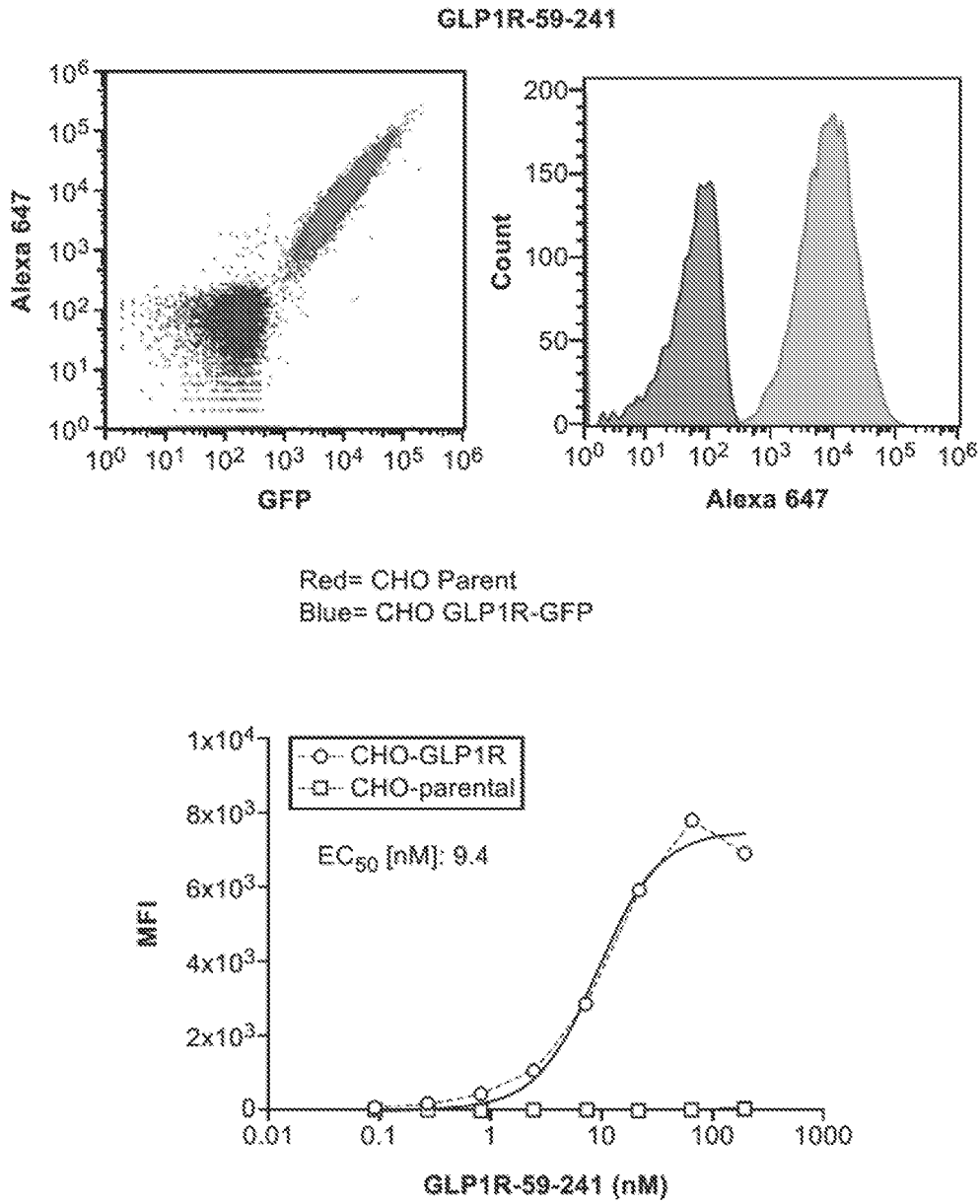
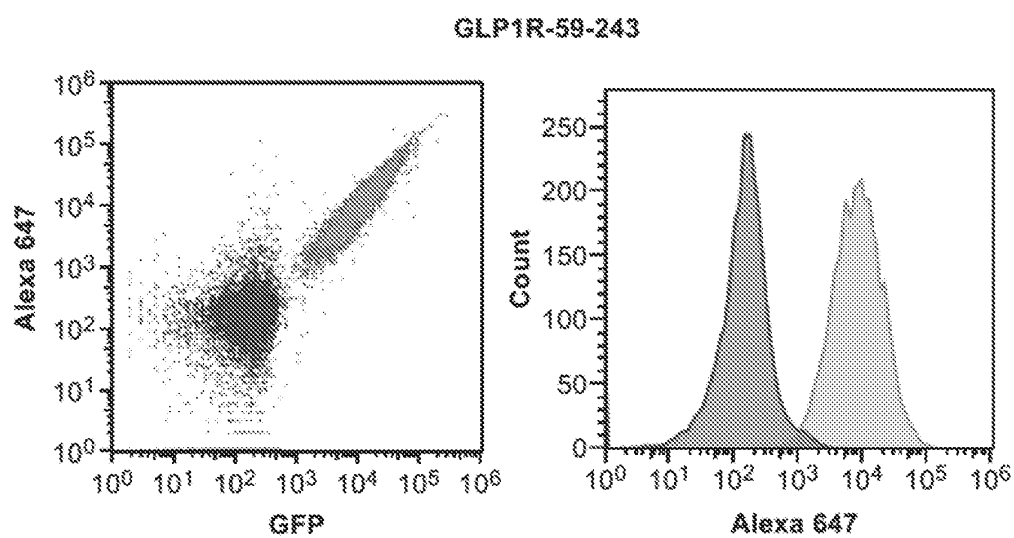


FIG. 19B



Red= CHO Parent
Blue= CHO GLP1R-GFP

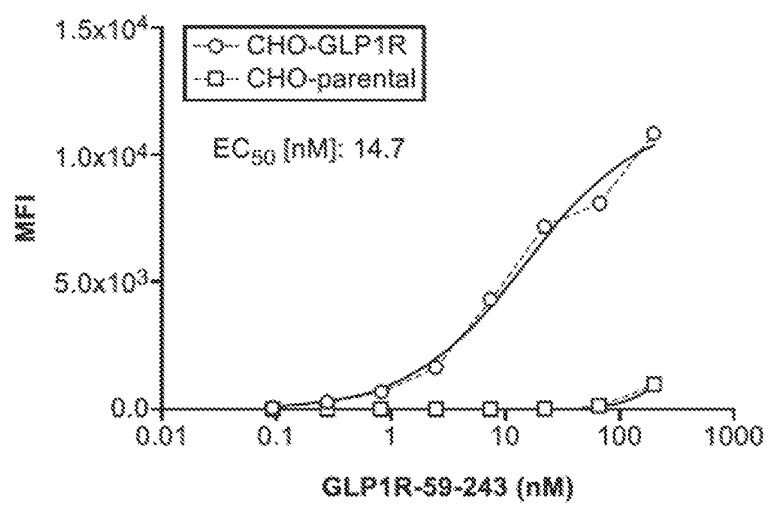
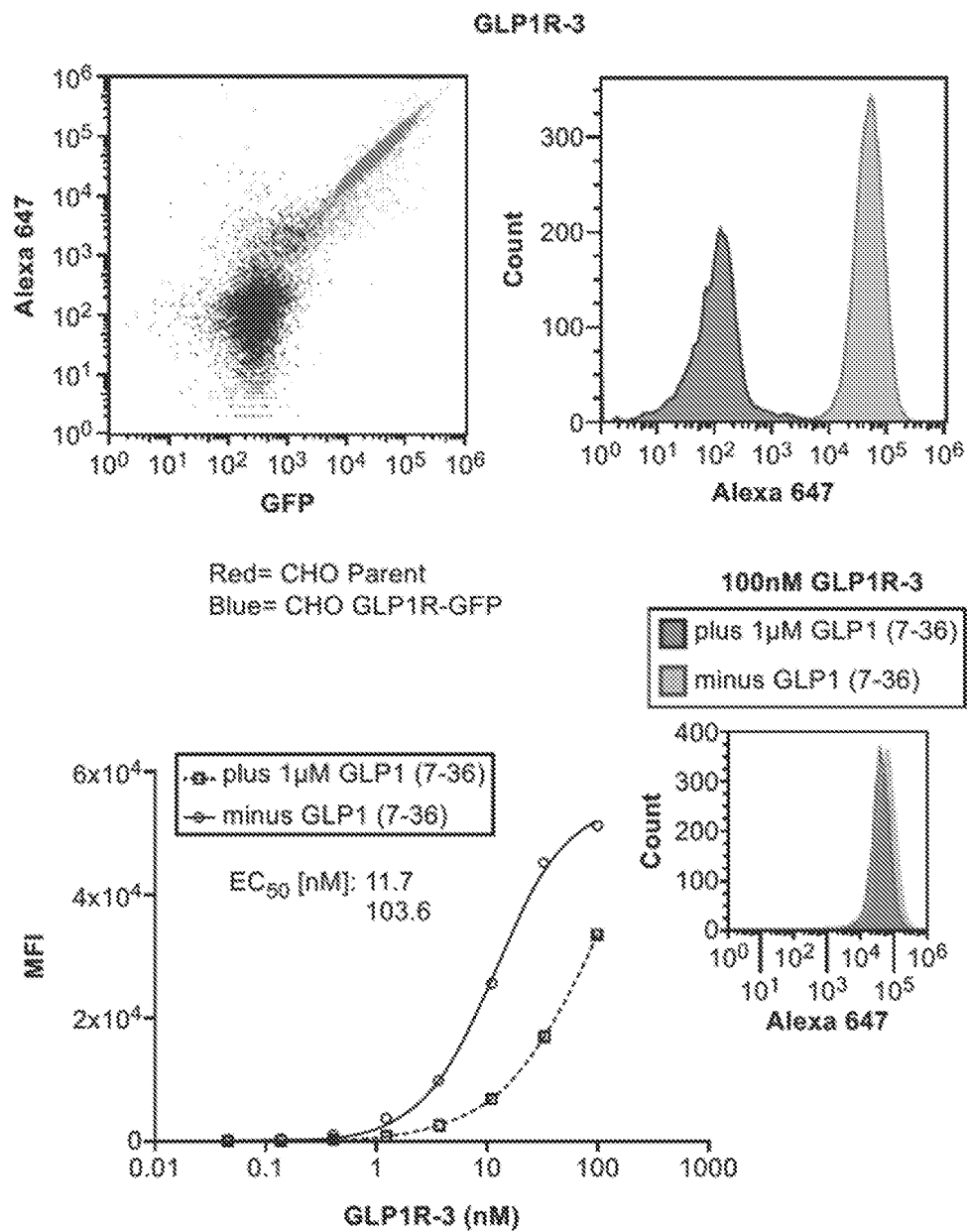
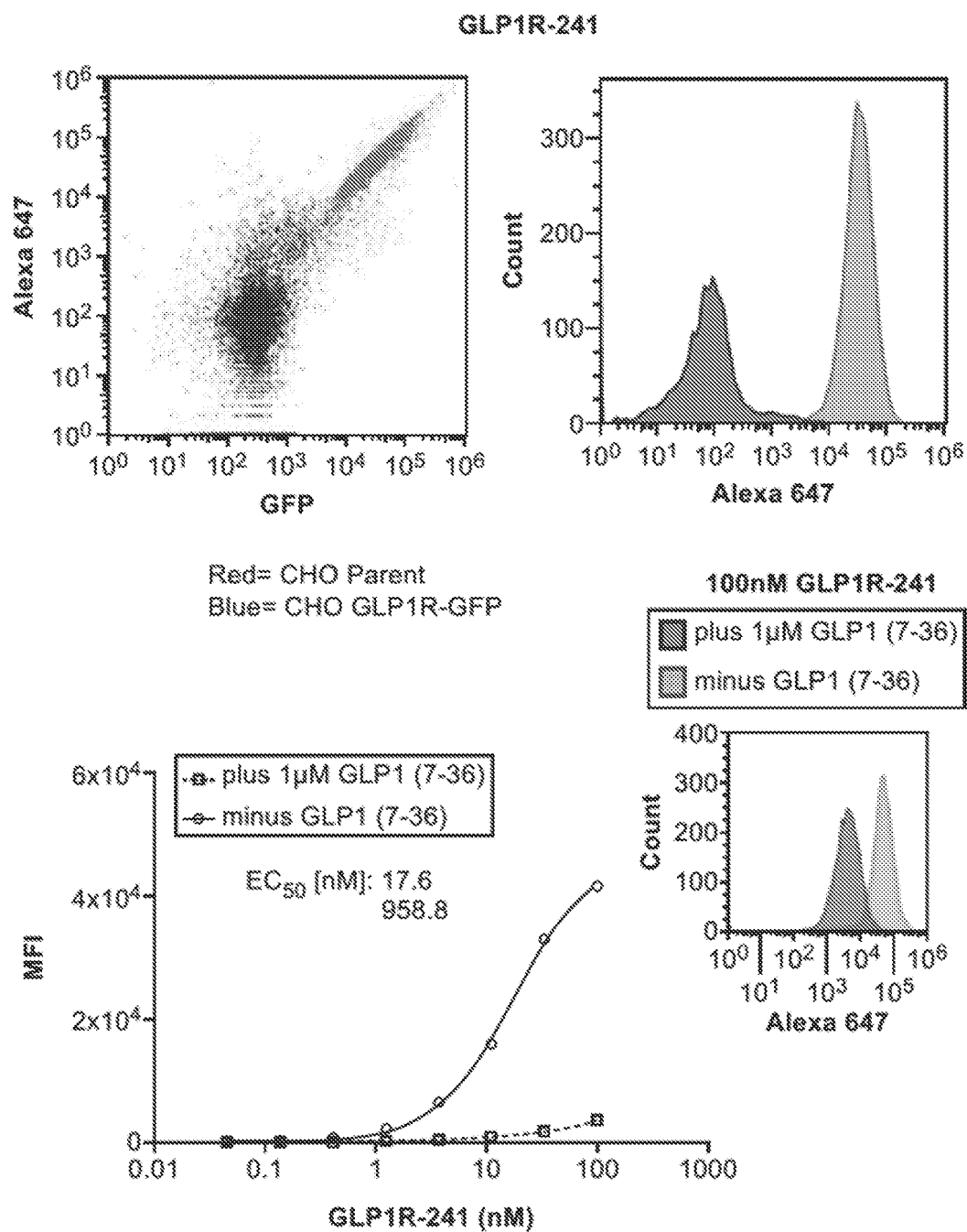
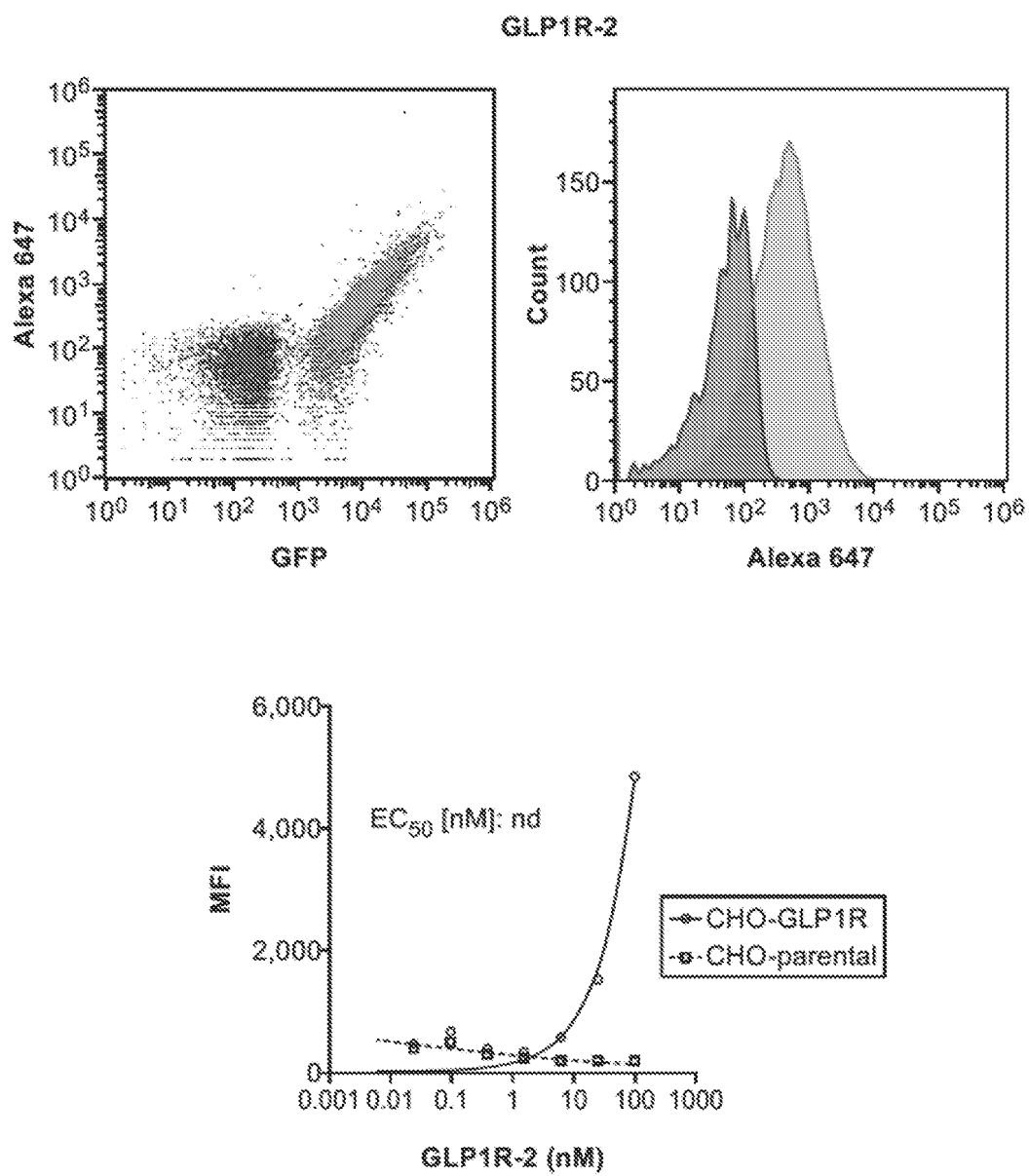


FIG. 19C

**FIG. 19D**

**FIG. 19E**

**FIG. 19F**

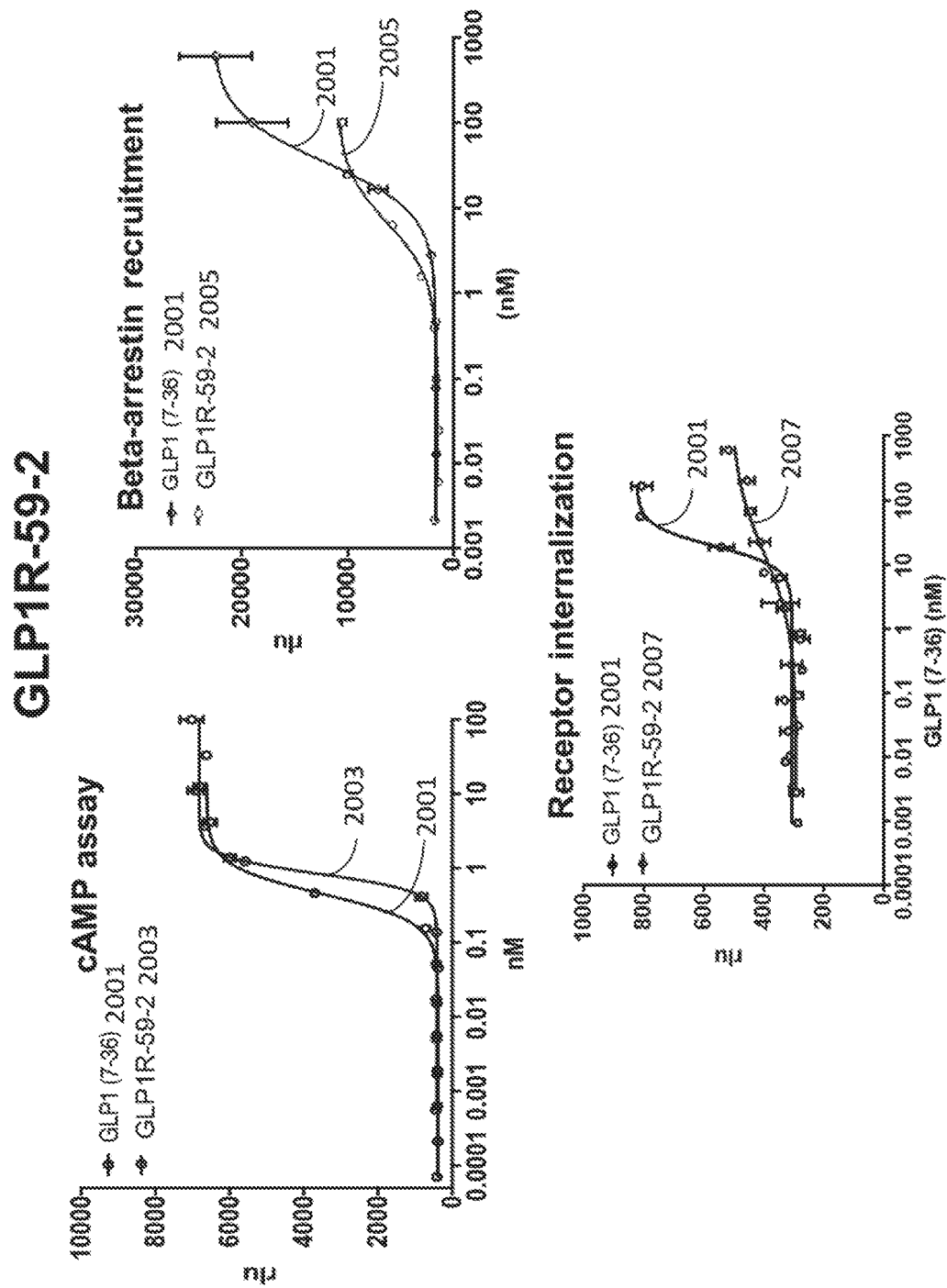


FIG. 20A

GLP1R-59-241

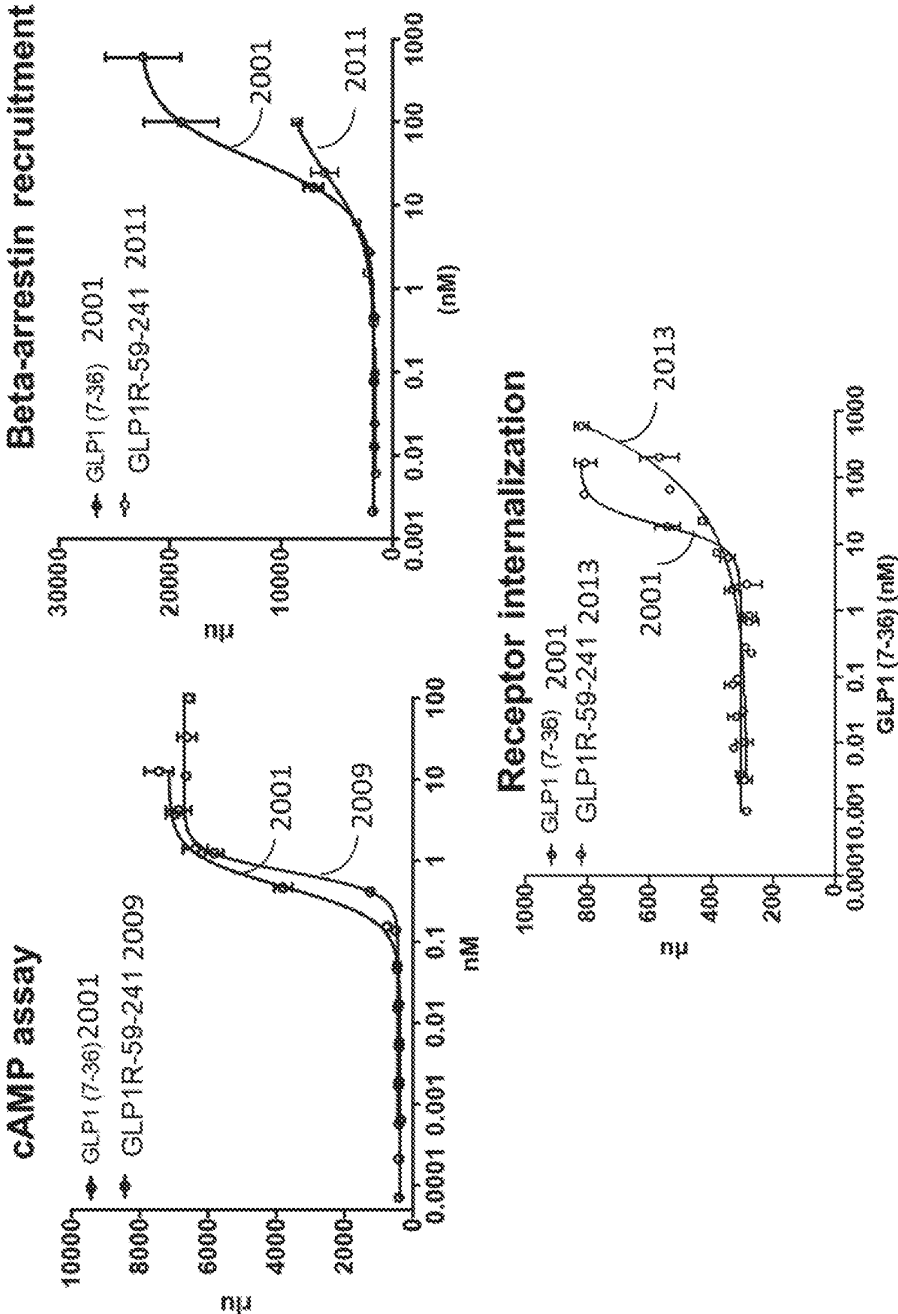
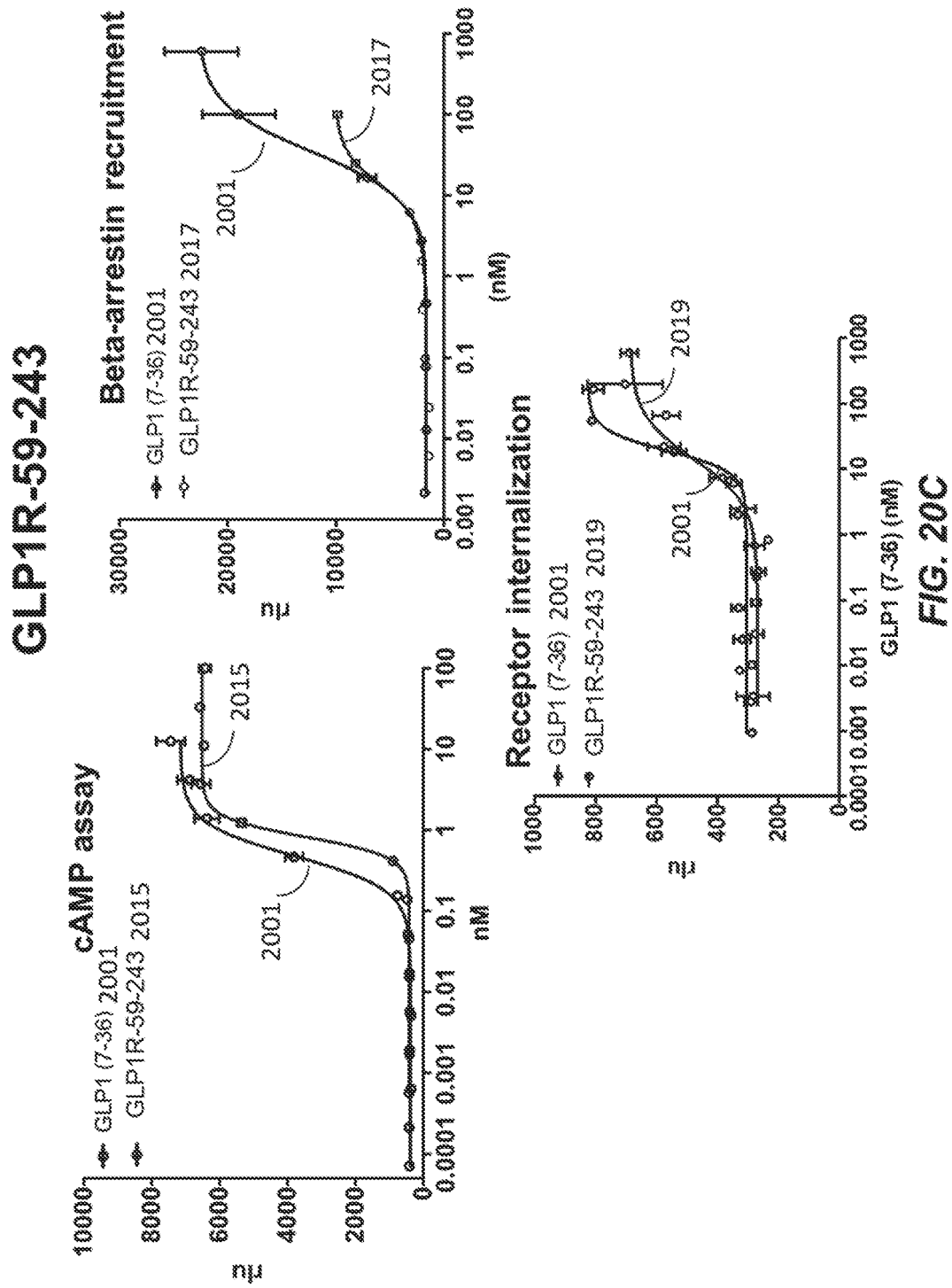


FIG. 20B



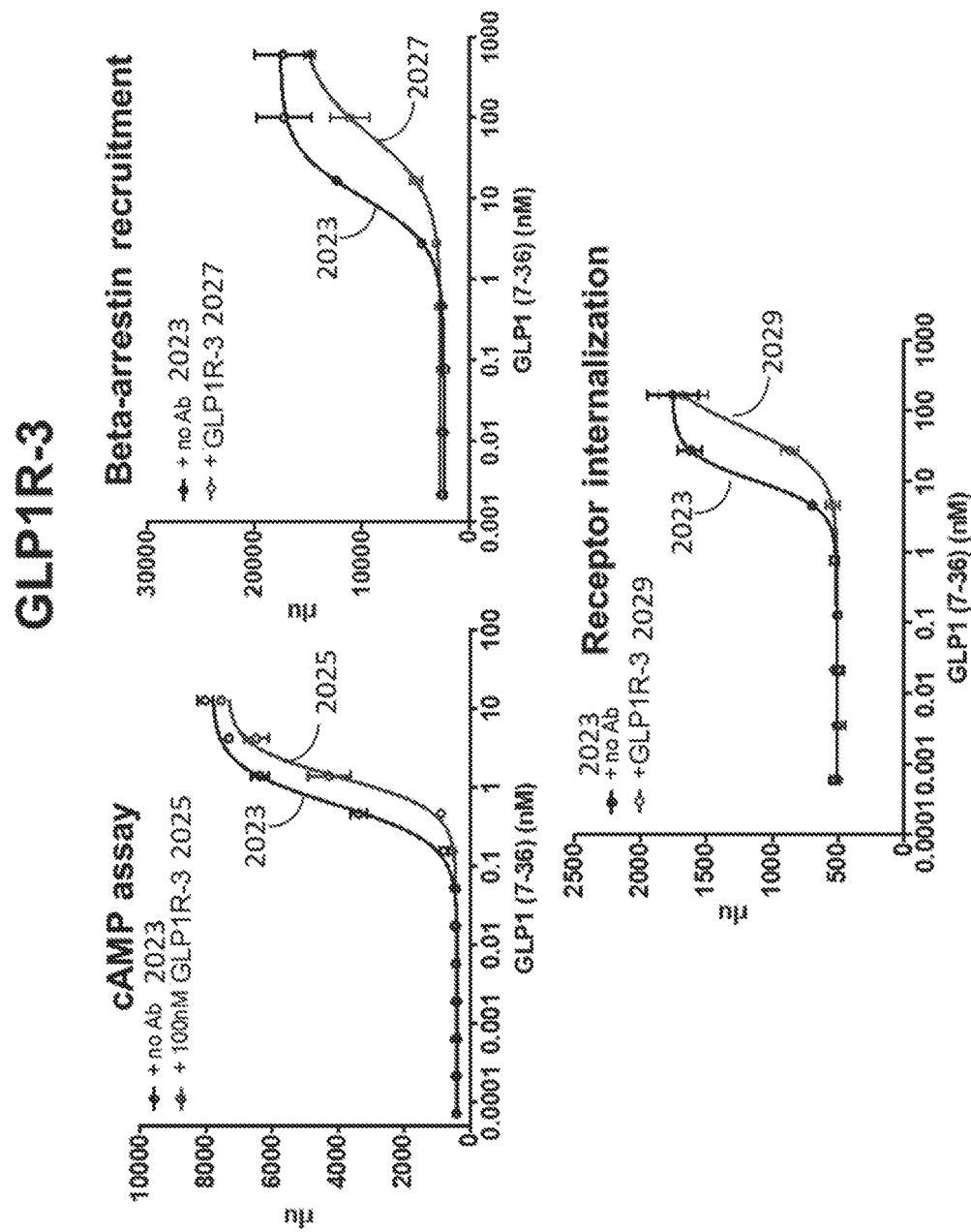


FIG. 20D

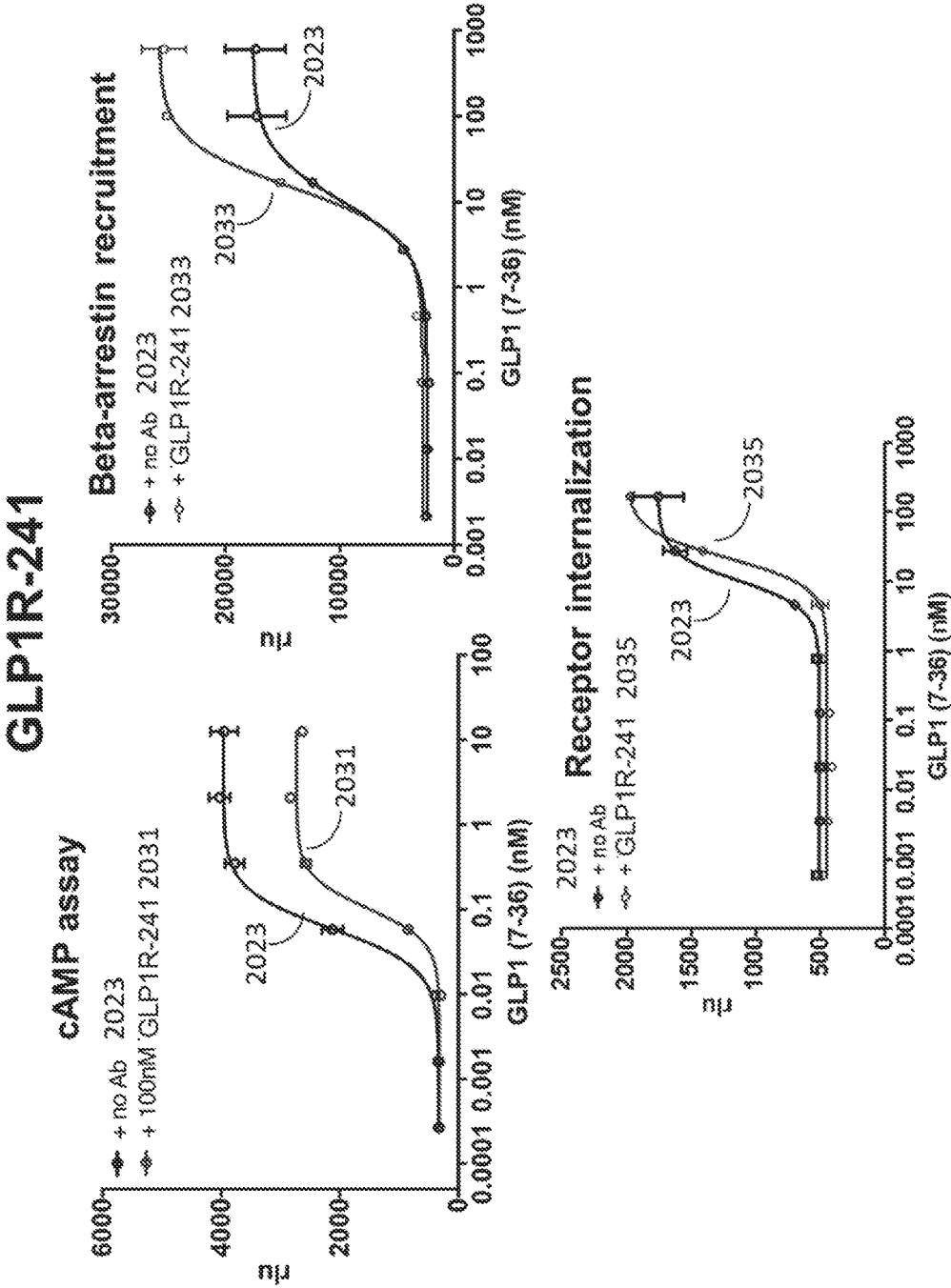


FIG. 20E

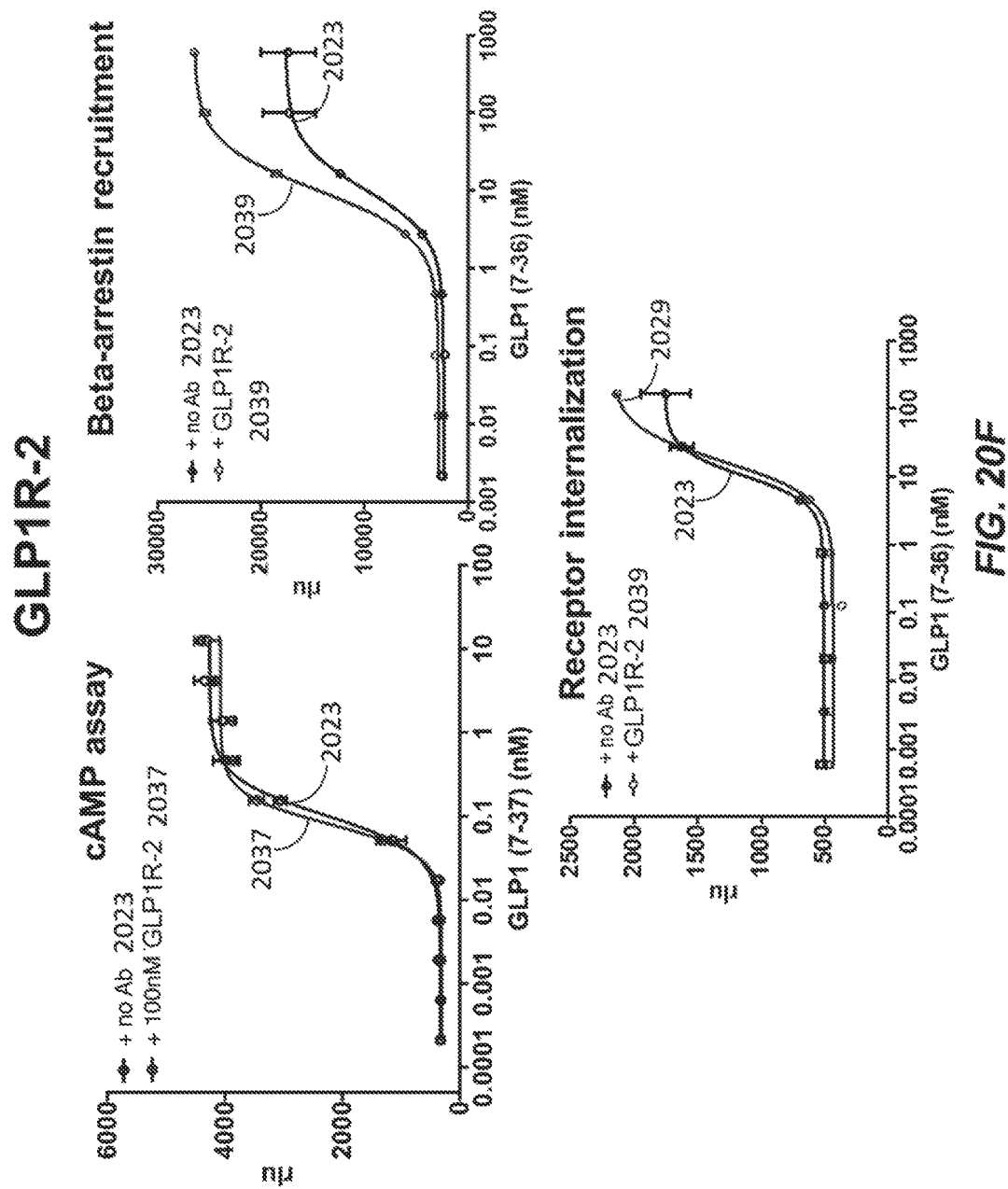


FIG. 20F

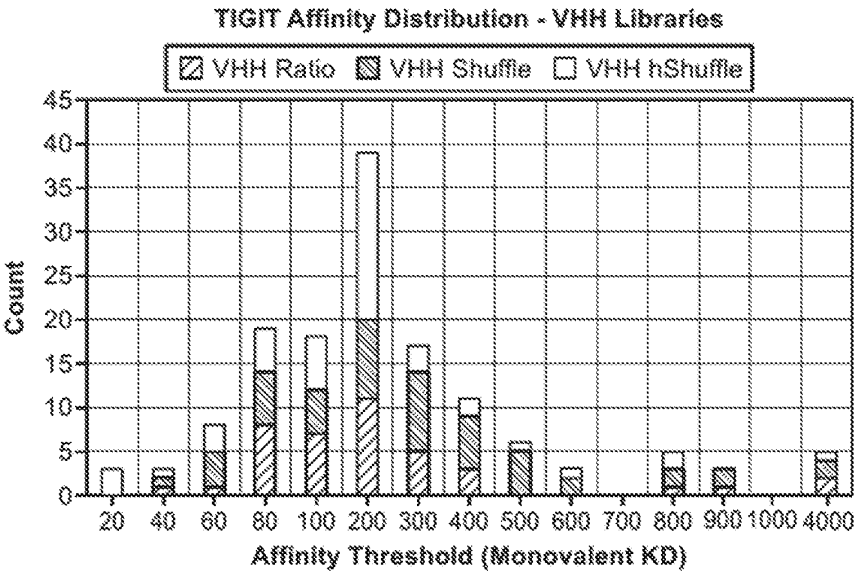


FIG. 21A

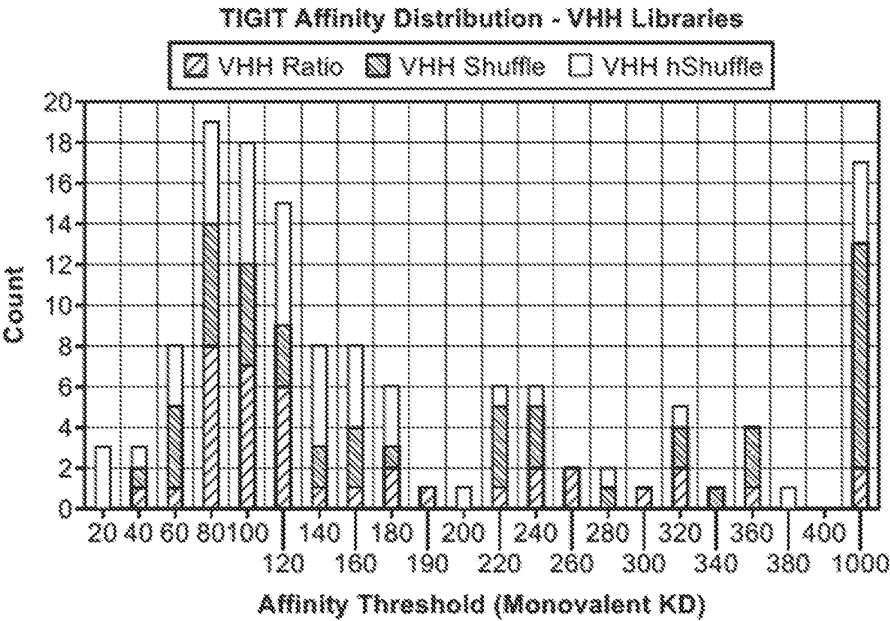
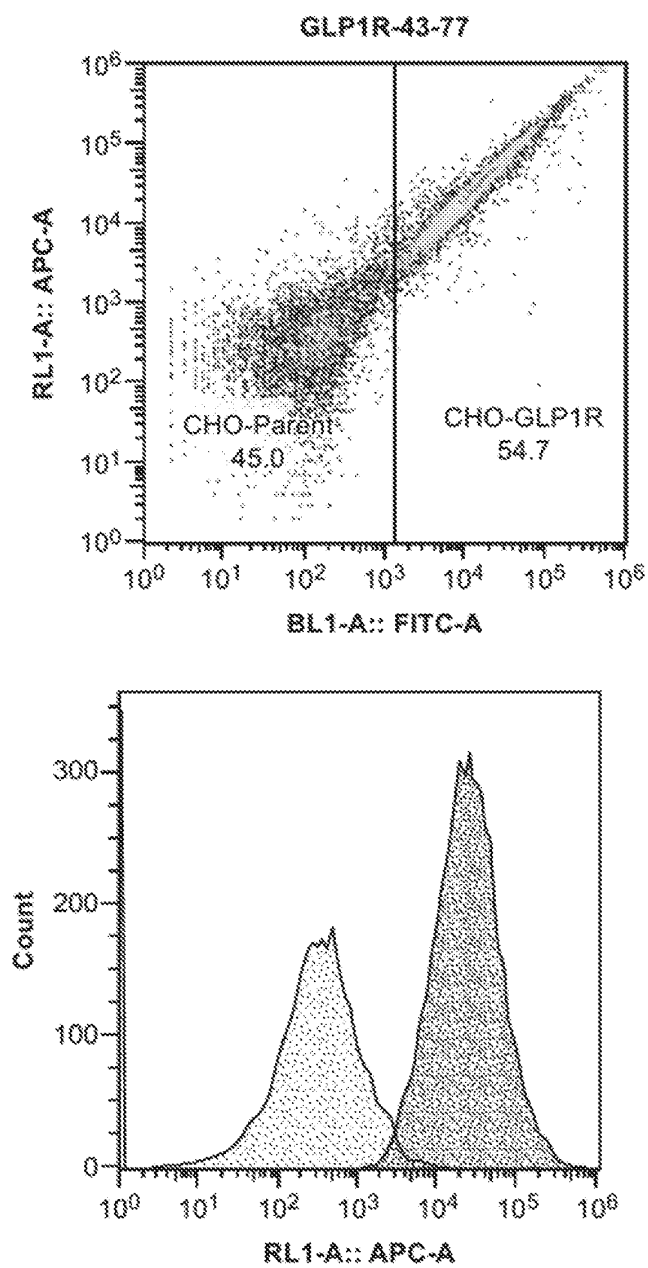


FIG. 21B



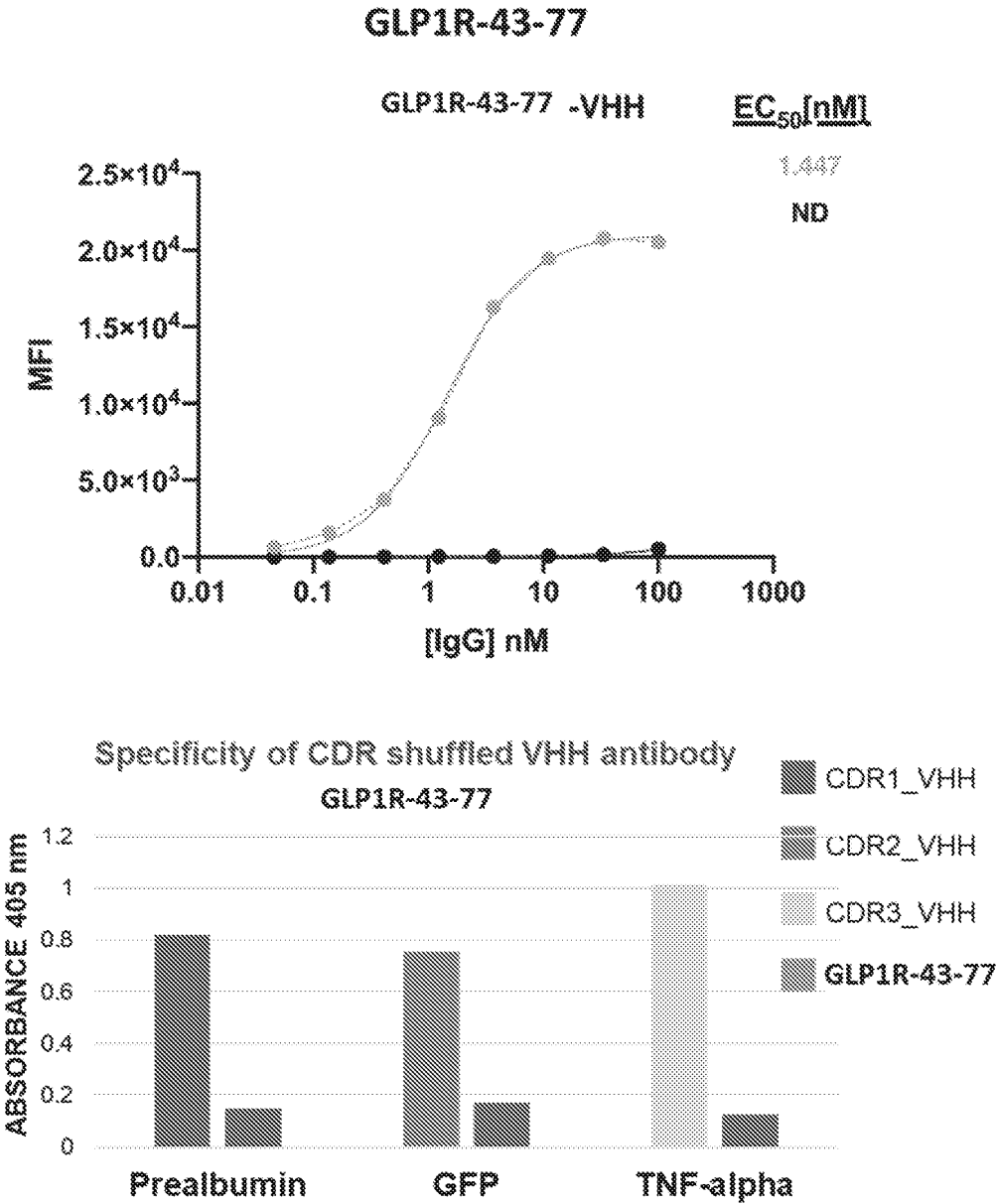


FIG. 22B

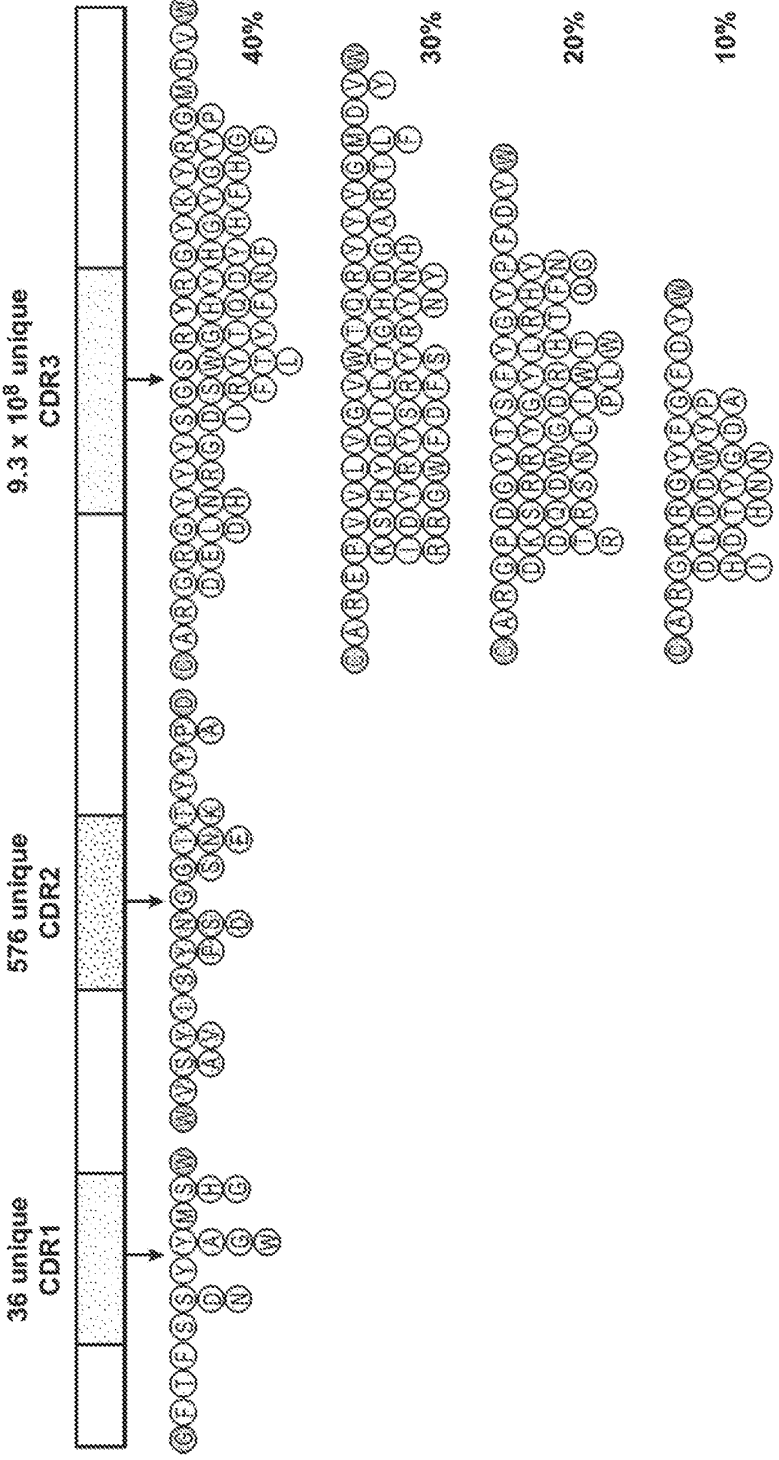


FIG. 23A

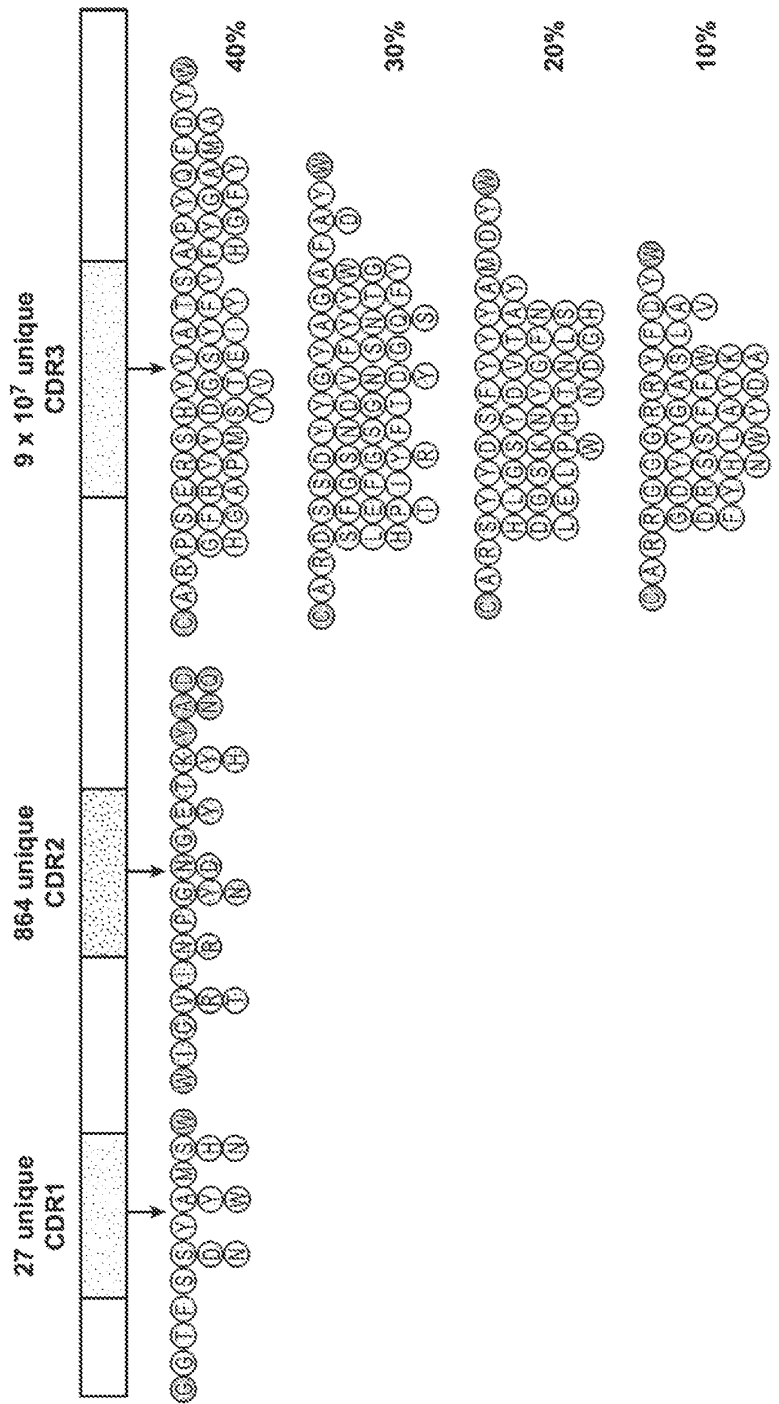


FIG. 23B

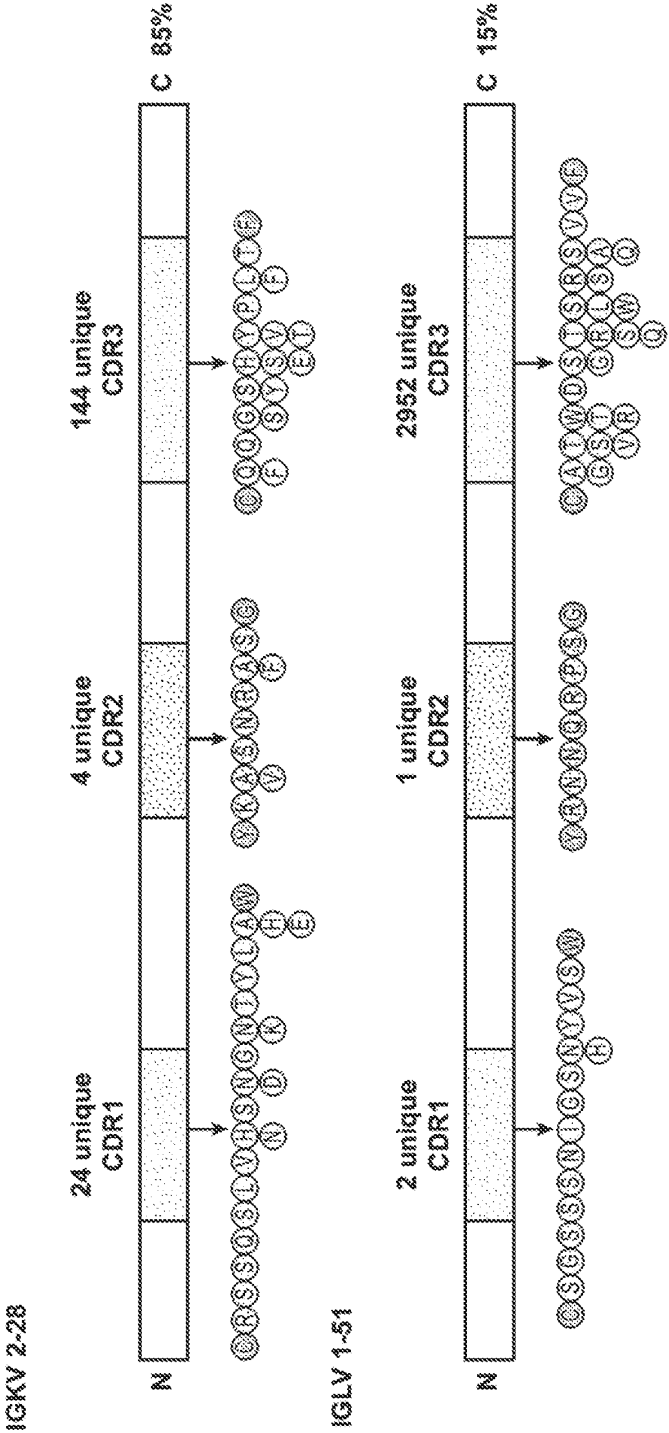


FIG. 23C

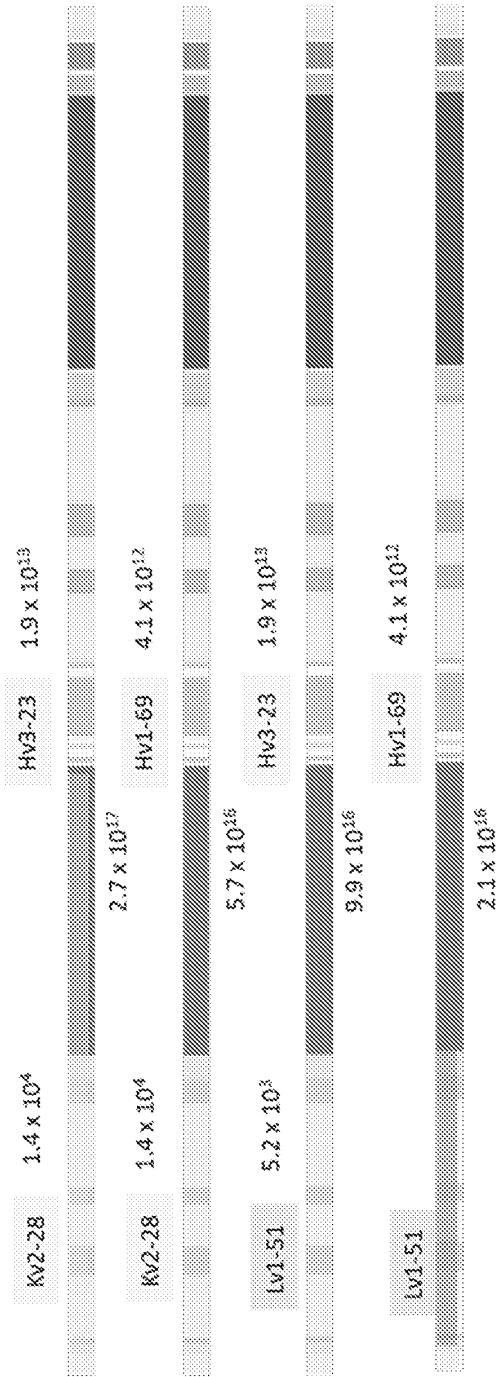
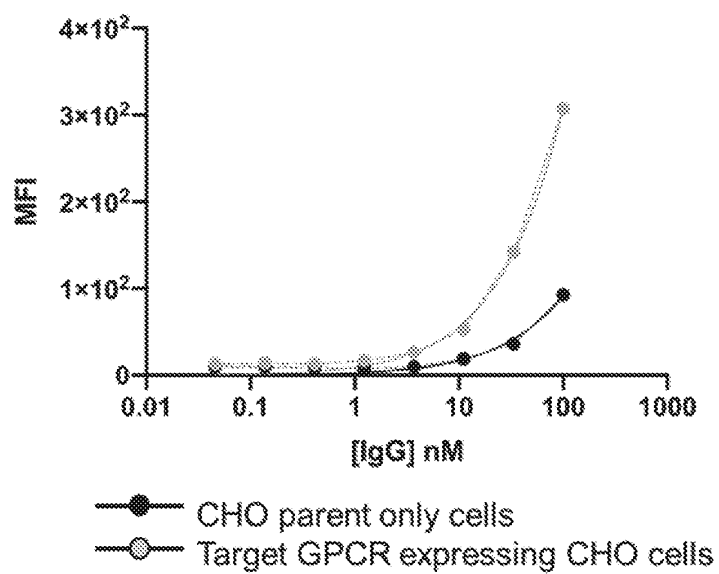
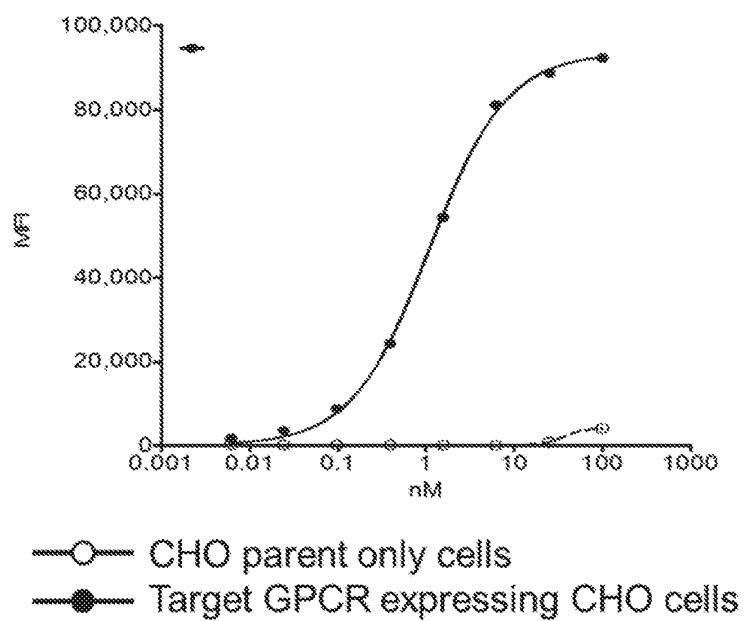
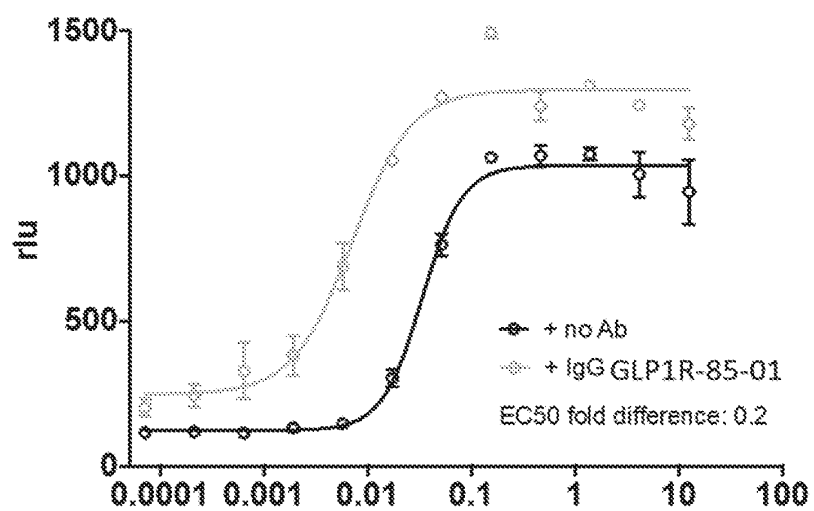
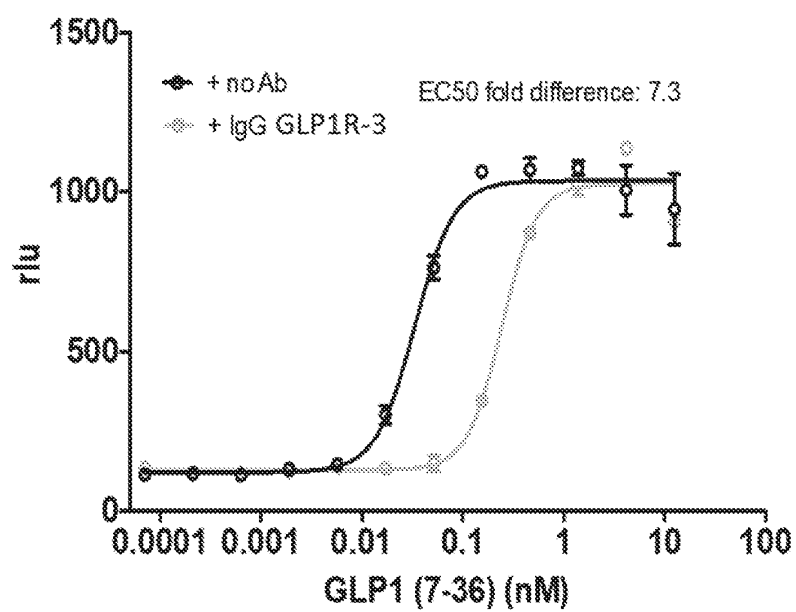


FIG. 23D

**FIG. 23E****FIG. 23F**

**FIG. 23G****FIG. 23H**

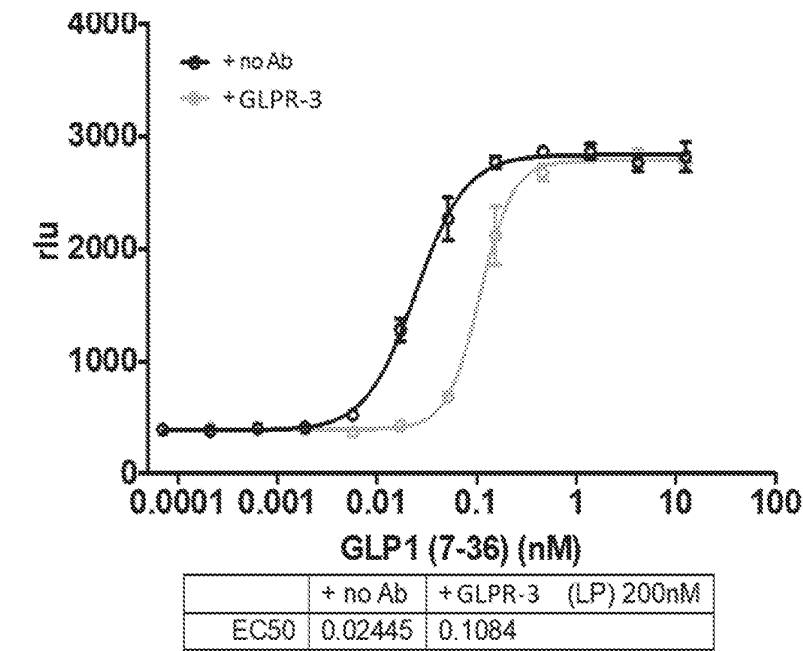


FIG. 24A

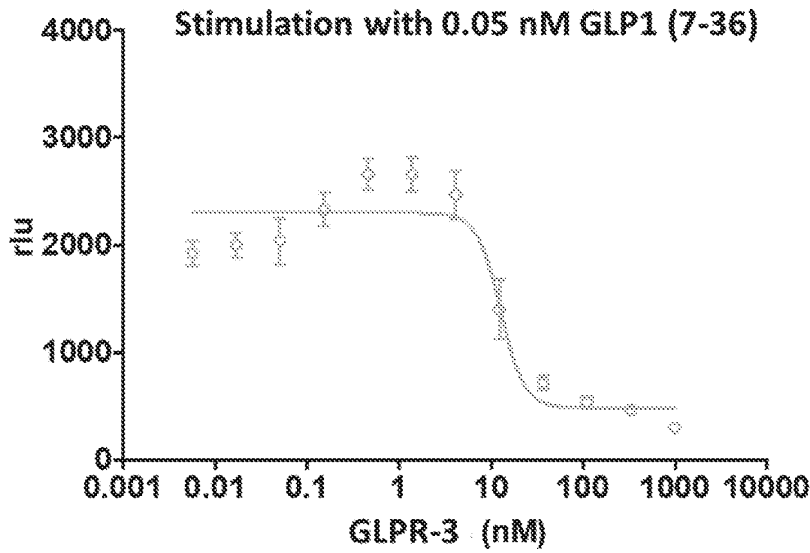


FIG. 24B

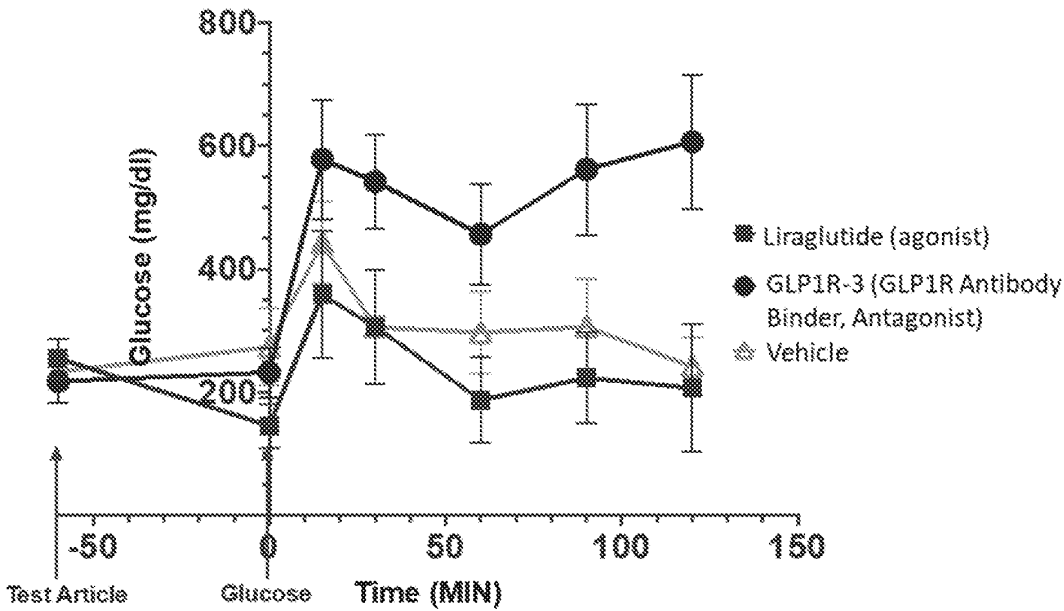


FIG. 24C

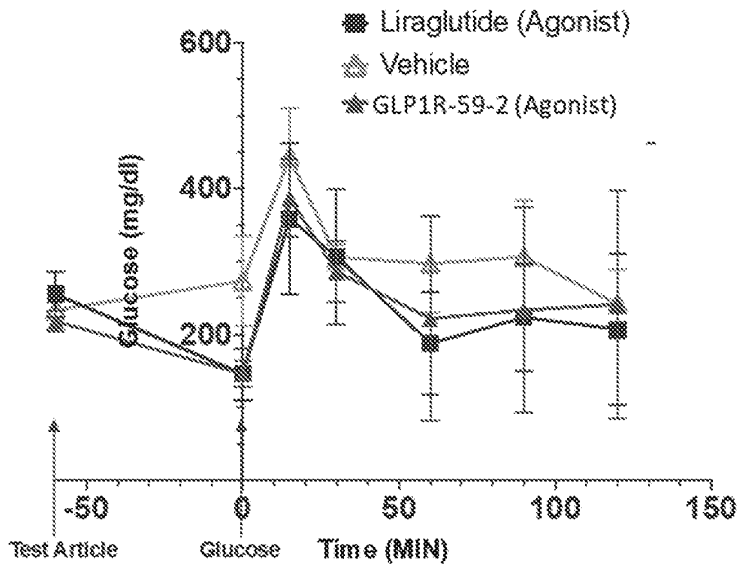


FIG. 24D

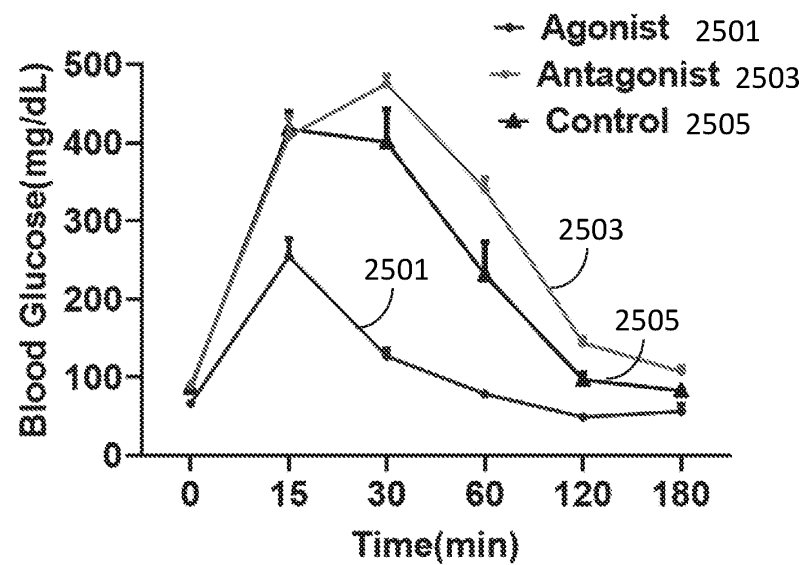


FIG. 25A

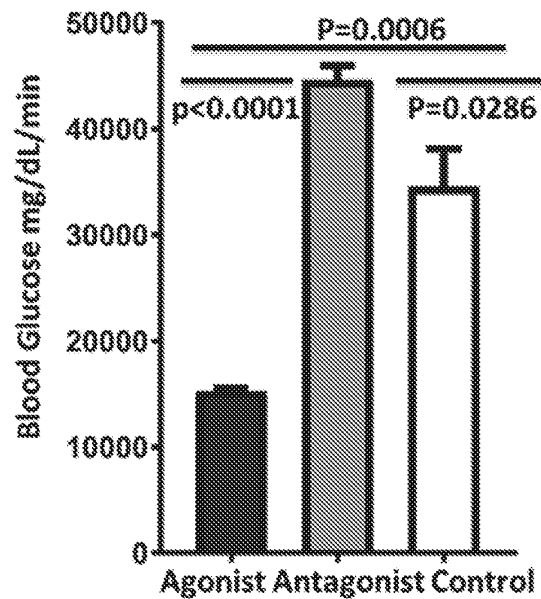
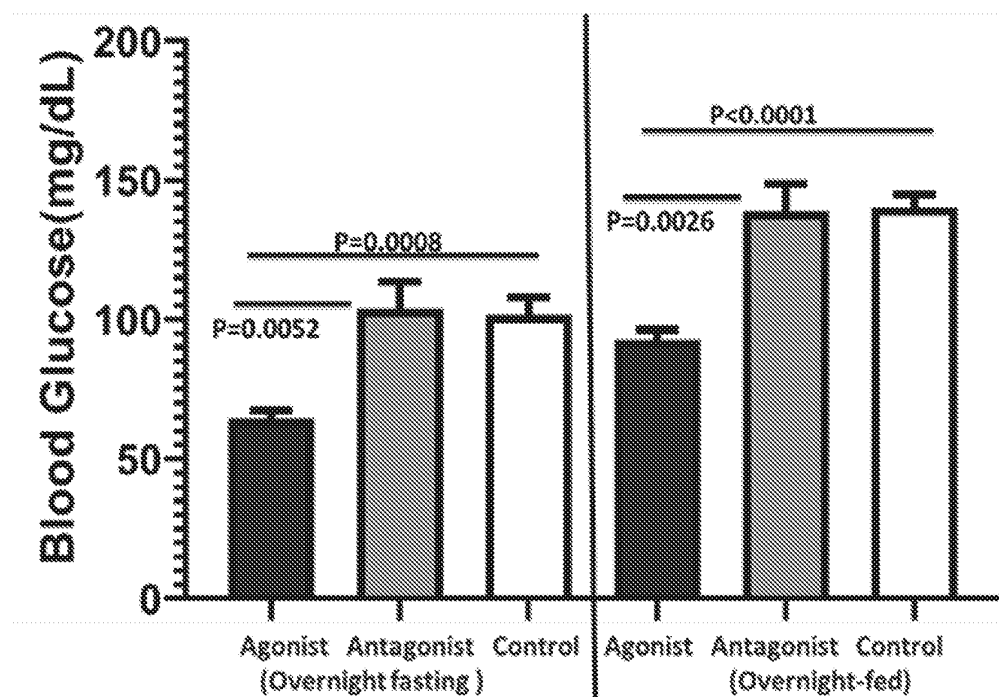
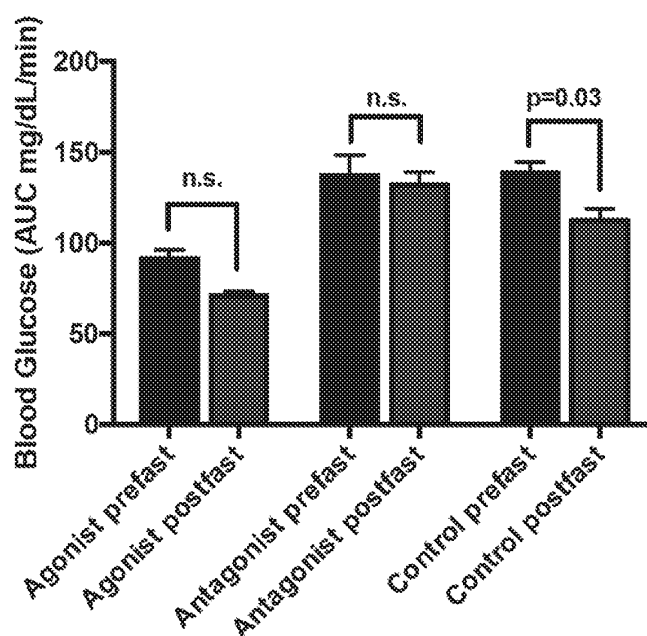


FIG. 25B

**FIG. 25C**

Blood Glucose levels in mice
Pre and Post-fast (6hr fast)

**FIG. 25D**