

FIG. 1

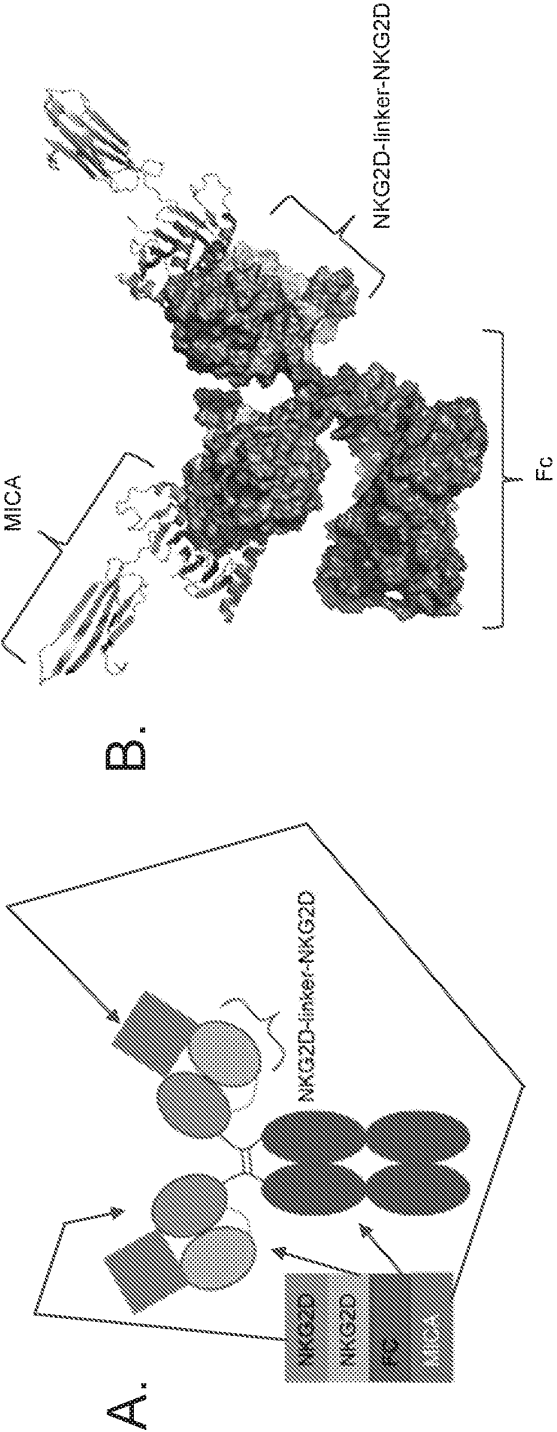
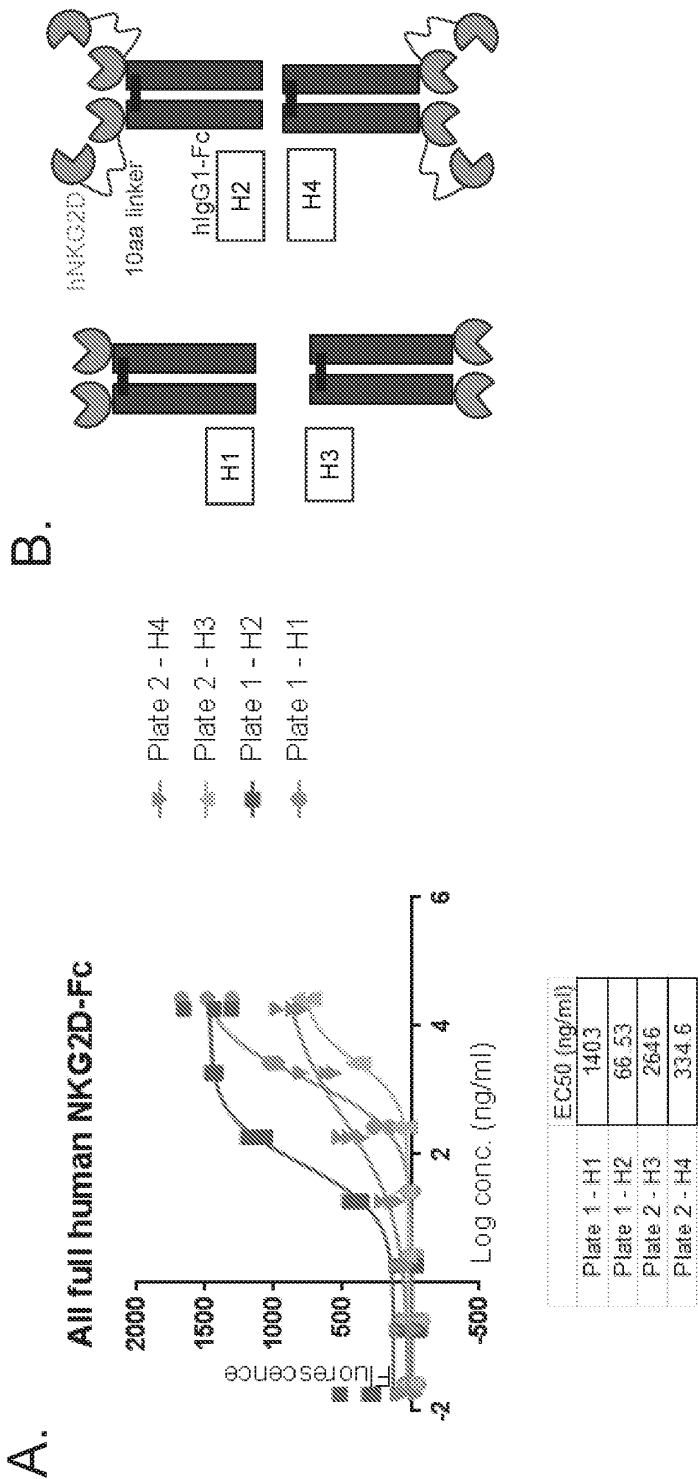


FIG. 2



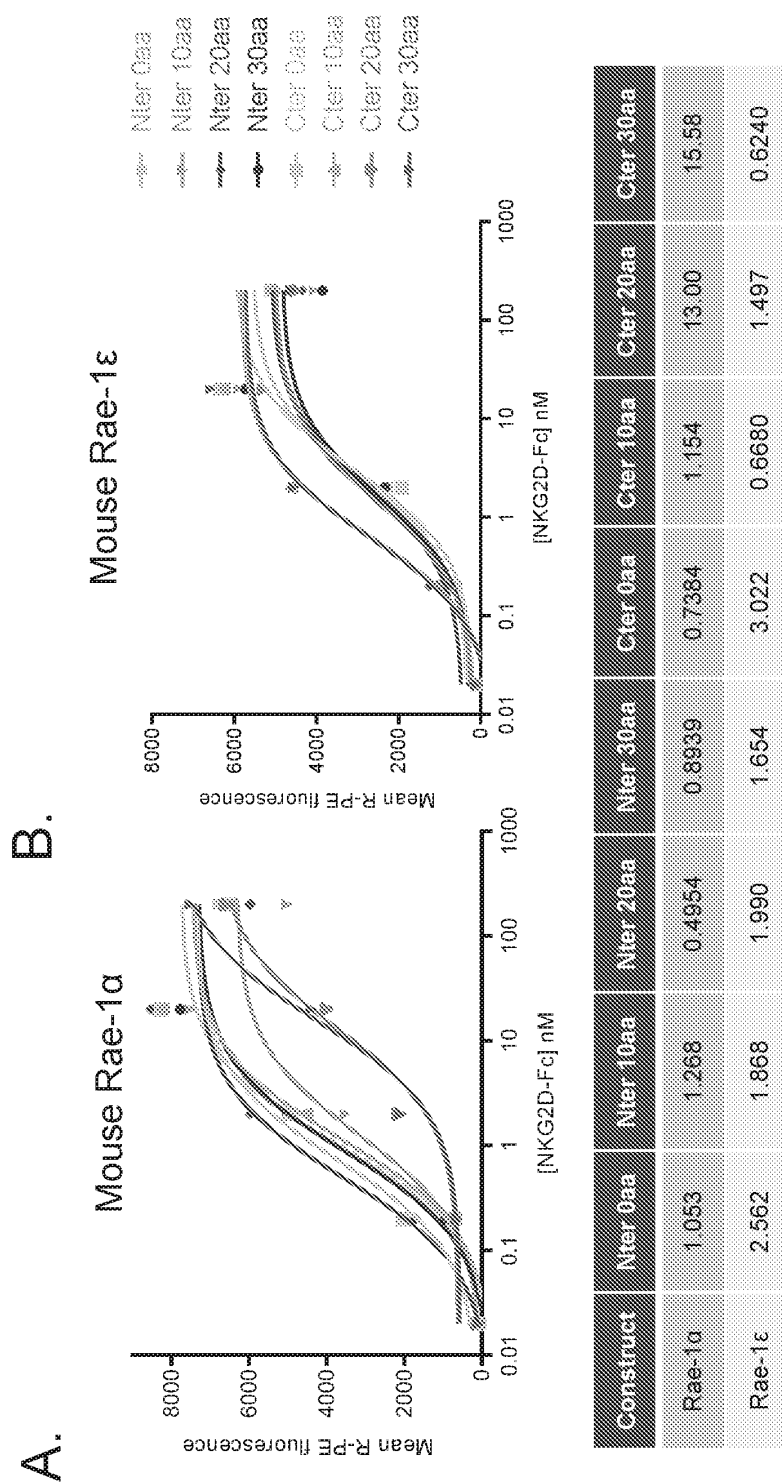


FIG. 4

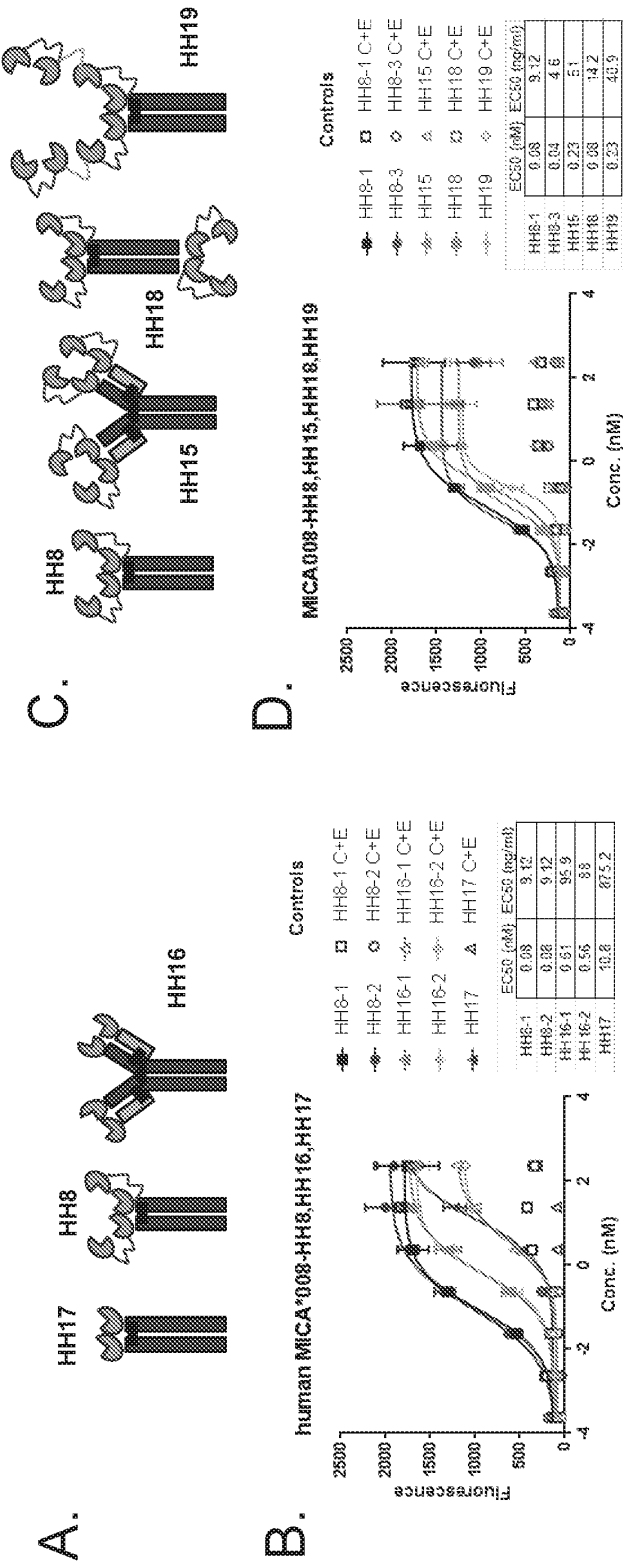


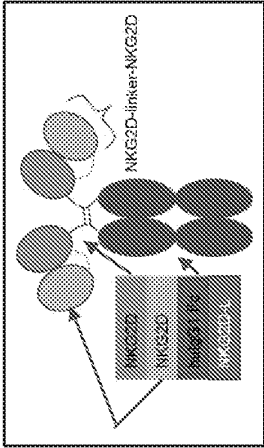
FIG. 5

A.

B.

candidate	Construct specifics			
NKG2D-Fc [HH8]				
NKG2D-Fc [HH7]				
NKG2D-Fc [HH2]				

Deletion
 Linker



C.

FINSLFQDEV WEGGSLGPN KCIQFFDESK YIENCSTPNT EBOQINSTRIV SNGOPENNIX	GLTLESTYGR LITLITDMGR NNTESQASCN VICNORTVDR	ECNRKNTICK DCALYASSERK SONASELEKVV THTCPPCTAP	NKCIQRFDES CYLINESSTPH SKEDODLLAL EILIGGPSVFL	YSEKEDQDLAK IPLETSYCGP EDGSILSPNL ISRTPEVTCV	LVESEIHNGSL CPRNMTCVM LTIENMGCD WVDSHEDPE	VALEPTNGSNQ GPGNNTCYMN CALIYASSEKQ EVHNARTKPK
WVDSHEDPE SNGOPENNIX	WVDSHEDPE SNGOPENNIX	WVDSHEDPE SNGOPENNIX	WVDSHEDPE SNGOPENNIX	WVDSHEDPE SNGOPENNIX	WVDSHEDPE SNGOPENNIX	WVDSHEDPE SNGOPENNIX

Bold: deletion; Underline: NKG2D; *italic:* Linker; **Bold, italic:** huIgG1 Fc

D.

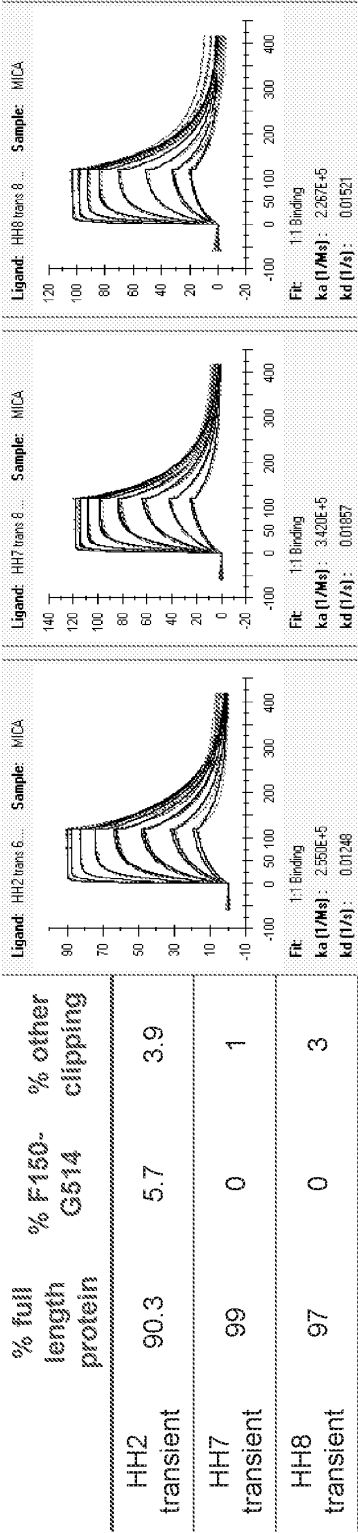


FIG. 6

HH8

hNKG2D(aa84-216)-RS(G3S)2-hNKG2D(aa84-216)-hFc1 (HH8)

NKG2D
Hinge
CH2
CH3
N-Glycosylation site
Isomerization DG site
RS(G₃S)₂ Linker

NQEVQIPLTESYCGPCPNWICYKNNCYQFFDESKNWYESQASCM
SQNASLLKVYSKEDQDLLKLVKSYHWMGLVHIPTNGSWQWEDGSIL
SPNLLTIEMQKGDICALYASSFKGYIENCSTPNTYICMQRTVRSGGGS
GGGSNQEVQIPLTESYCGPCPNWICYKNNCYQFFDESKNWYESQ
ASCMSQNASLLKVYSKEDQDLLKLVKSYHWMGLVHIPTNGSWQWE
DGSILSPNLLTIEMQKGDICALYASSFKGYIENCSTPNTYICMQRTVDK
THTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSH
DPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVSVLTVLHQDWL
NGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTK
NQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFL
YSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK

FIG. 7

HH10

hNKG2D(aa84-216)-RS(G3S)2-hNKG2D(aa84-216)-hFc1[S239D,I332E] (HH10)

NKG2D

Hinge

CH2

CH3

N-Glycosylation site

isomerization DG site

RS(G,S), Linker

NQEVQIPLTESYCGPCPKNWICYKNNCYQFFDESKNWYESQASCM
SQMASLLKVYSKEDQDLLKLVKSYHWMGLVHIPTNGSWQWEDGSIL
SPNLLTIIEMQKGDICALYASSFKGYIENCSTPNTYICMQRTVRSGGGS
GGGSNQEVQIPLTESYCGPCPKNWICYKNNCYQFFDESKNWYESQ
ASCMSQNASLLKVYSKEDQDLLKLVKSYHWMGLVHIPTNGSWQWE
DGSILSPNLLTIIEMQKGDICALYASSFKGYIENCSTPNTYICMQRTVDK
THTCP^{CP}PAPELLGGPDVFLFPKPKD^{TL}LMISRTPEVTCVVVDVSH
EDPEVKFNWYVDGVEVHNAKTKPREEQ^{YN}STYRVVSVLTVLHQDW
LNGKEYKCKVSNKALPAP^{EE}KTISKAKGQPREPQVYTLPPSRDEL^T
KNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFF
LYSKLTVDKSRWQQGNV^{FC}SMHEALHNHYTQKSLSLSPGK

FIG. 8

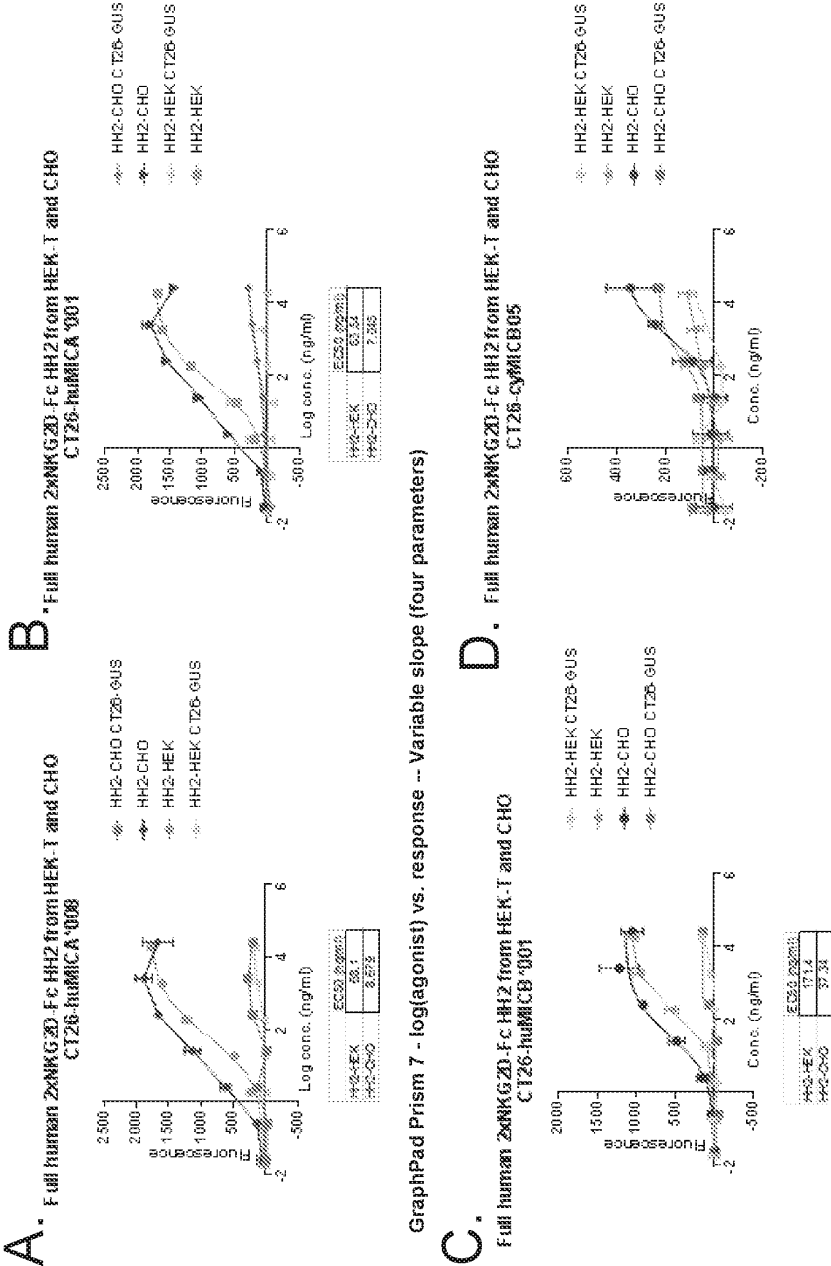
HH8-afuco

a-fucosylated hNKG2D(aa84-216)-RS(G3S)2-hNKG2D(aa84-216)-hFc1

NKG2D
Hinge
CH2
CH3
N-Glycosylation site
isomerization DG site
RS(G.S), Linker

NQEVQIPLTESYCGPCPNWICYKNNCYQFFDESKNWYESQASCM
SQNASLLKVYSKEDQDLLKLVKSYHWMGLVHIPTNGSWQWEDGSIL
SPNLLTIIEMQKGDICALYASSFKGYIENCSTPNTYICMQRTVRSGGGS
GGGSNQEVQIPLTESYCGPCPNWICYKNNCYQFFDESKNWYESQ
ASCMSQNASLLKVYSKEDQDLLKLVKSYHWMGLVHIPTNGSWQWE
DGSILSPNLLTIIEMQKGDICALYASSFKGYIENCSTPNTYICMQRTVDK
THTCPPCPAPELLGGPSVFLFPPKPKDLMISRTPEVTCVVDVSHE
DPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVSVLTVLHQDWL
NGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTK
NQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFL
YSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSPGK

FIG. 9



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FIG. 10

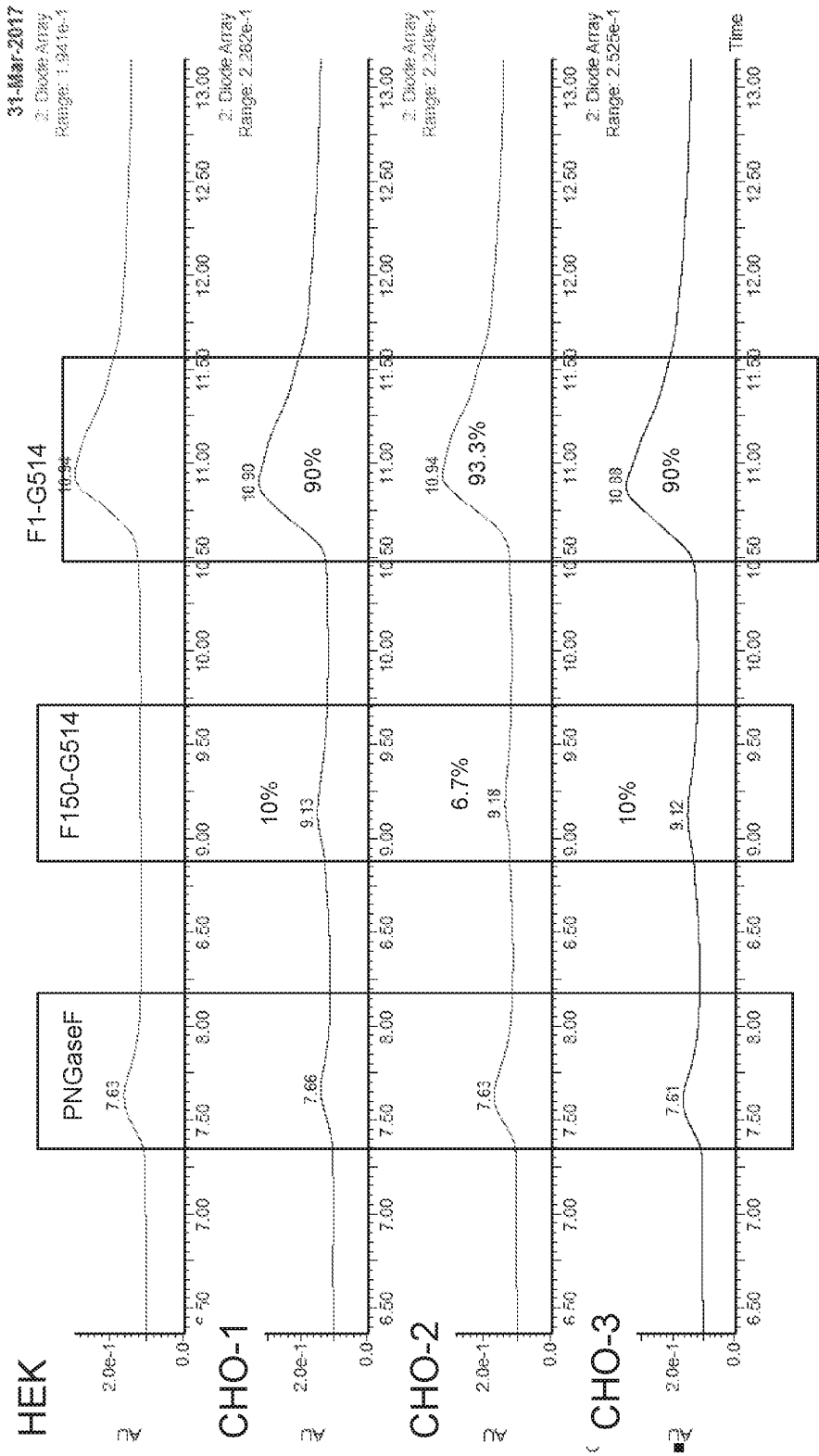


FIG. 11

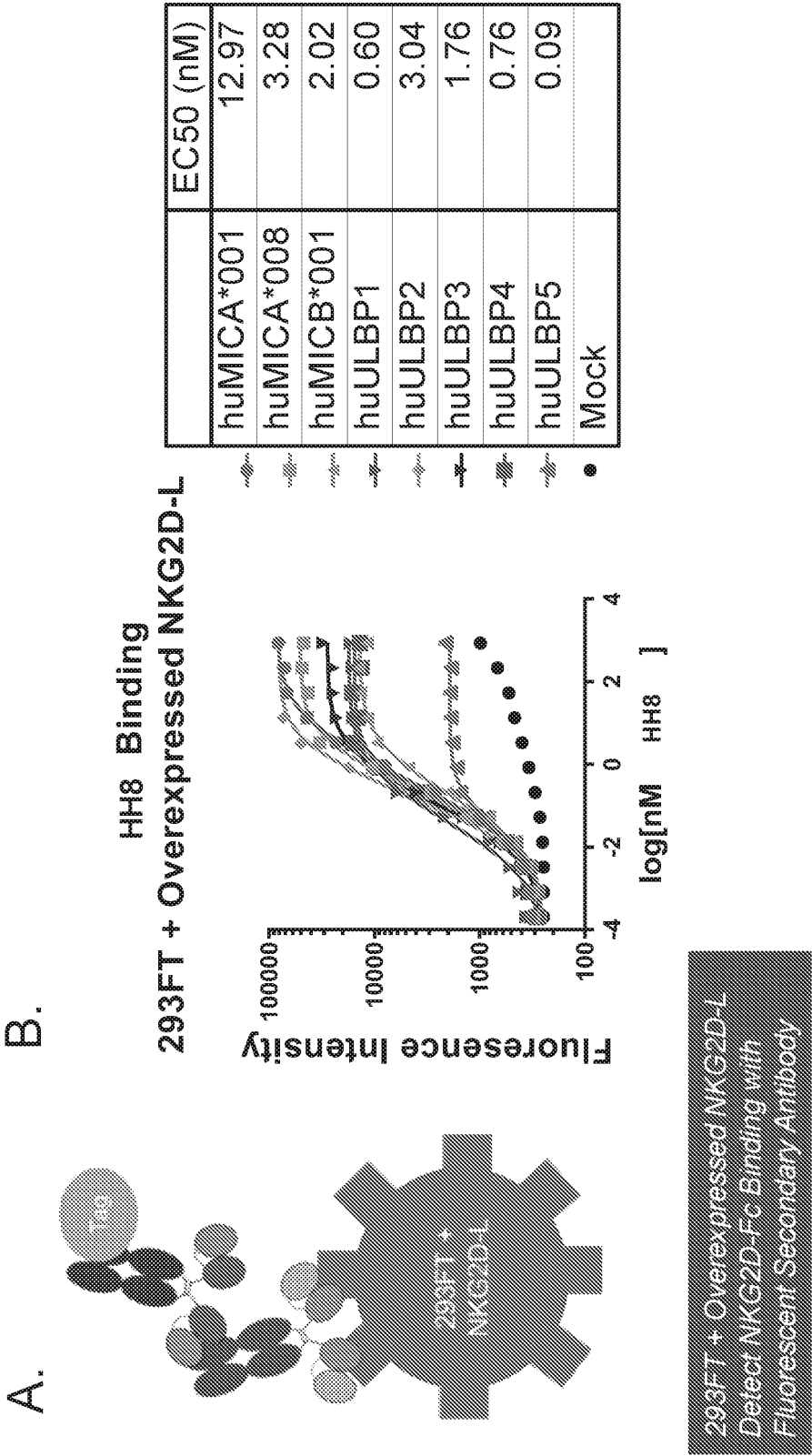
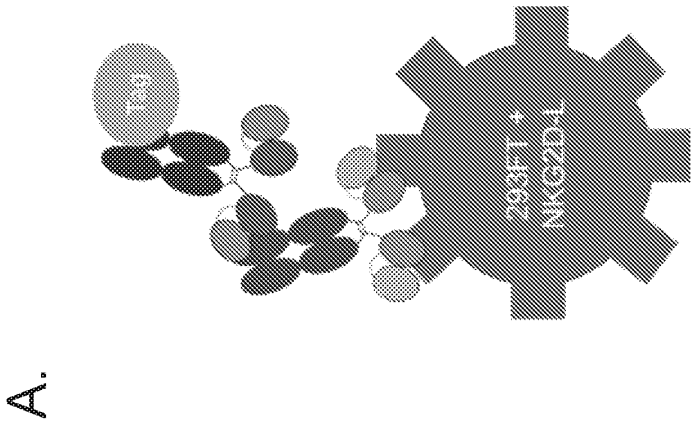
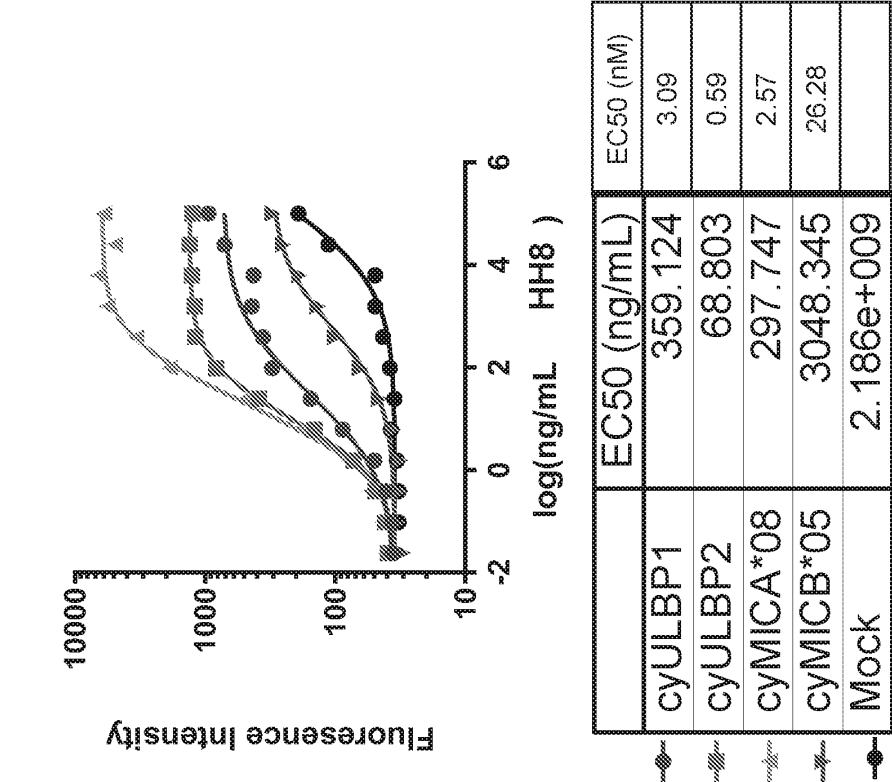


FIG. 12

B. HH8 Binding
293FT + Overexpressed NKG2D-L



293FT + Overexpressed NKG2D-L
Defect NKG2D-Fc Binding with
Fluorescent Secondary Antibody

FIG. 13

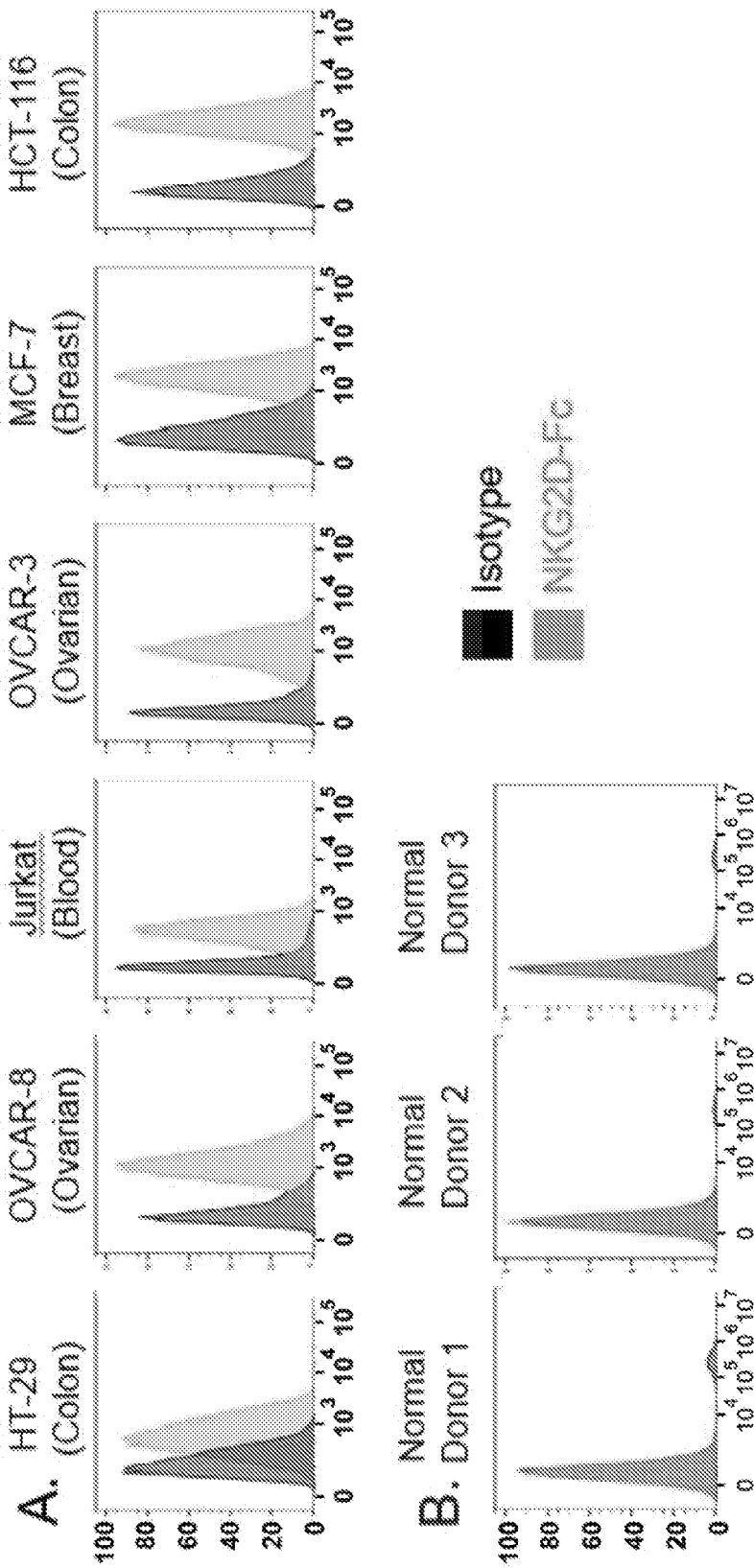


FIG. 14

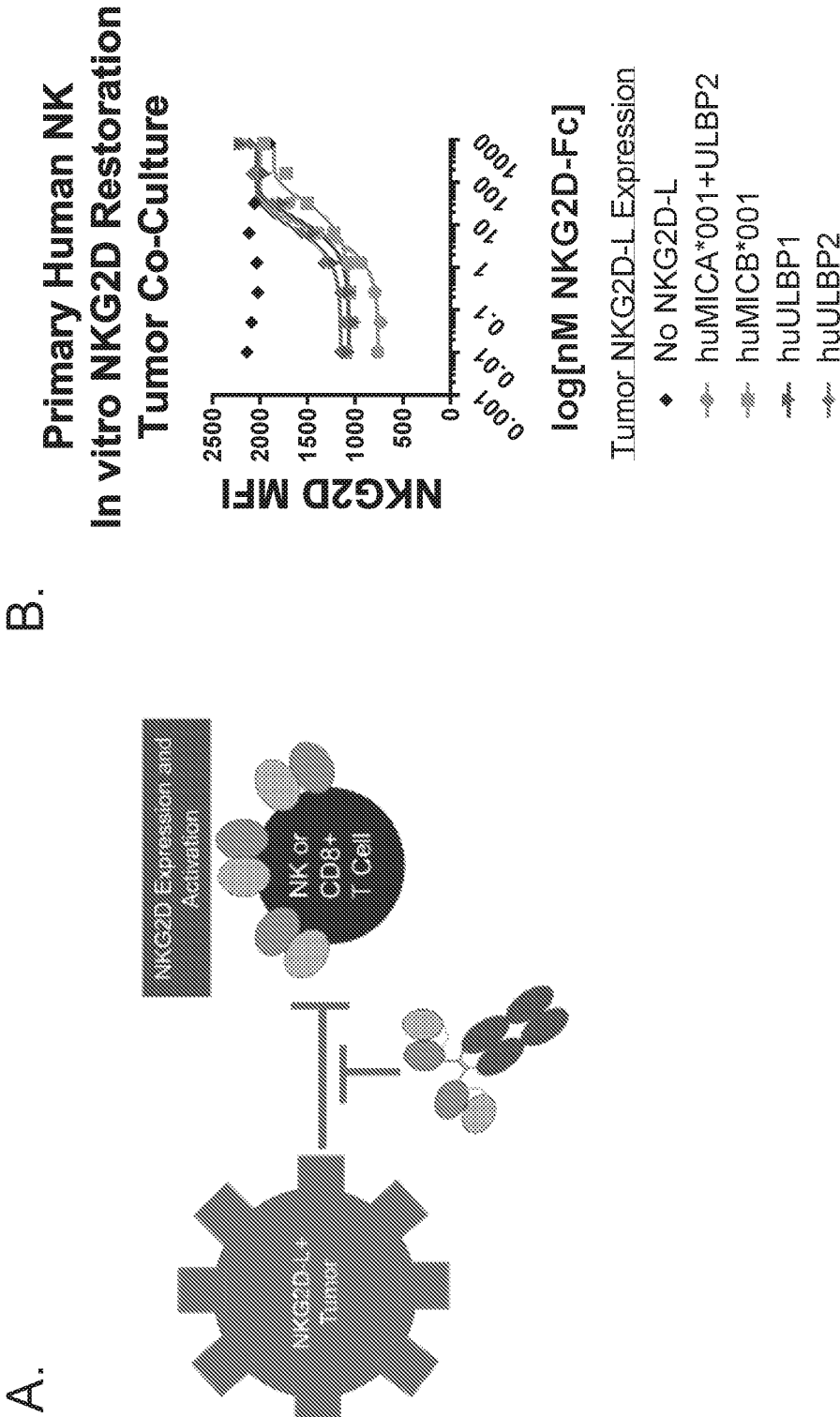


FIG. 15

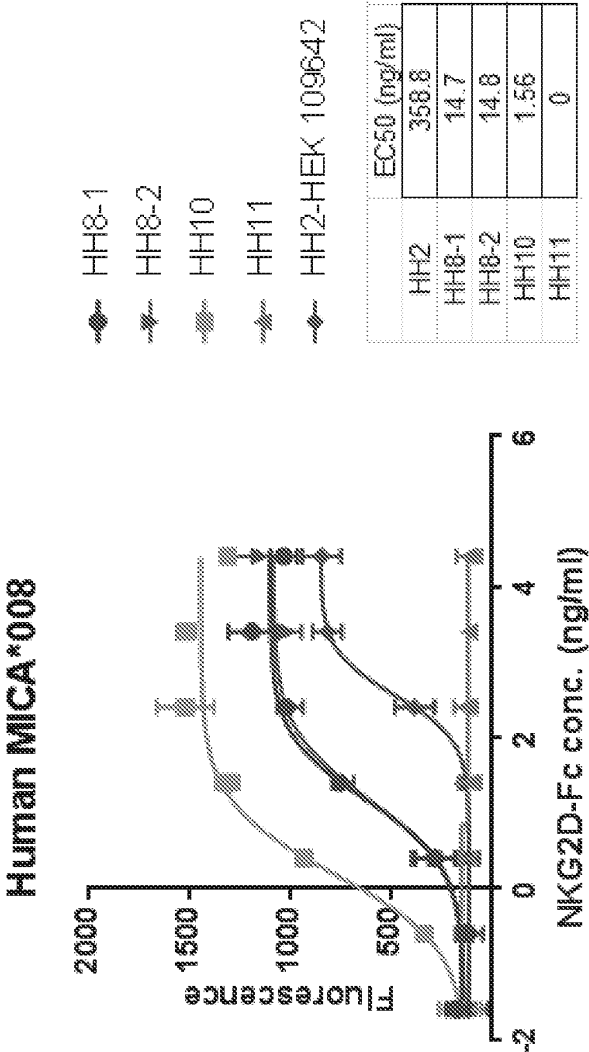


FIG. 16

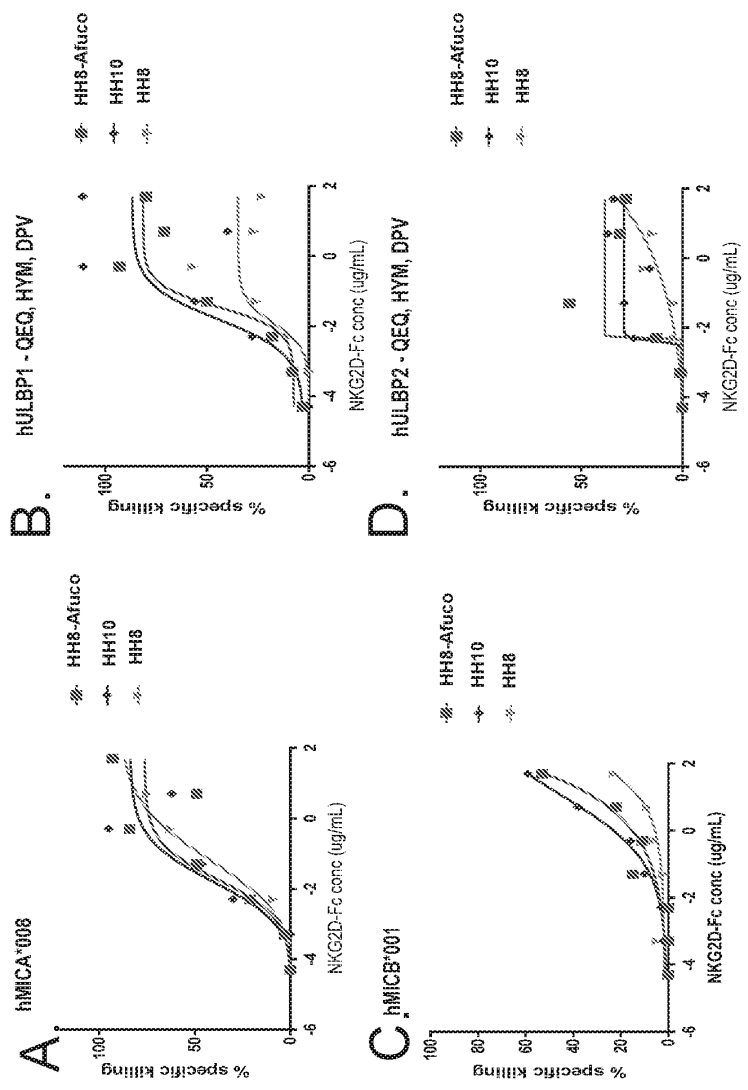


FIG. 17

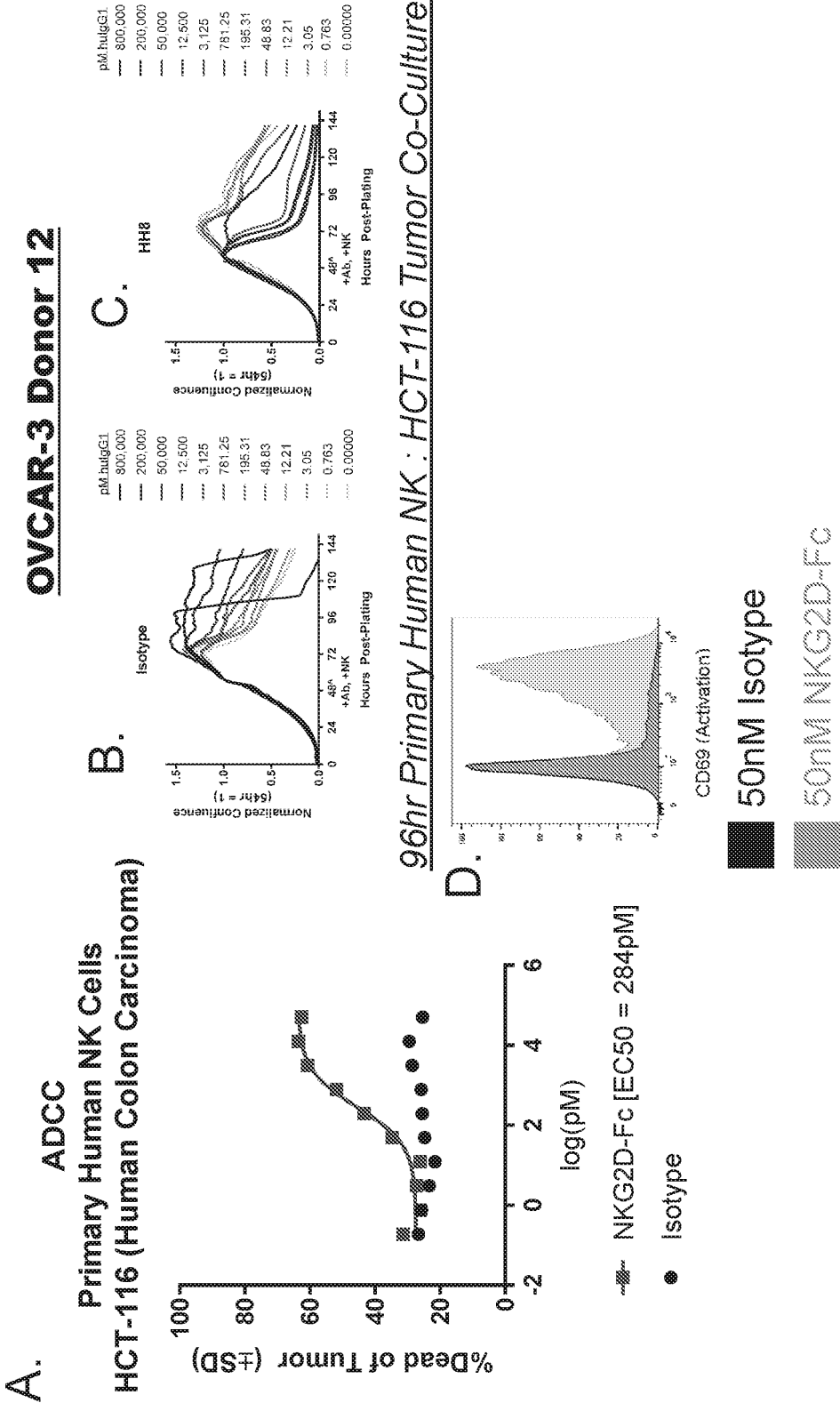
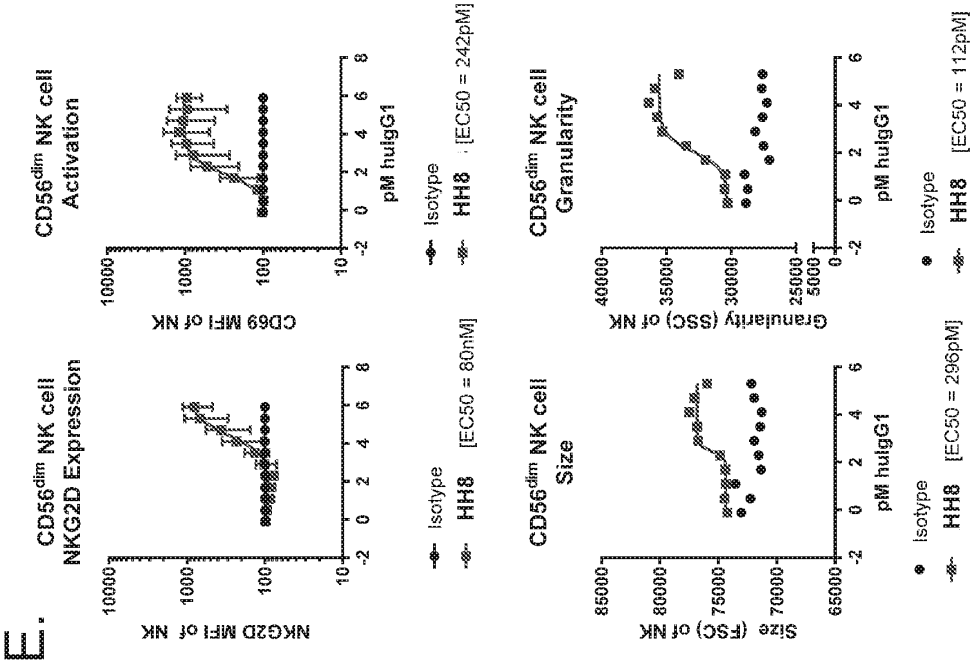
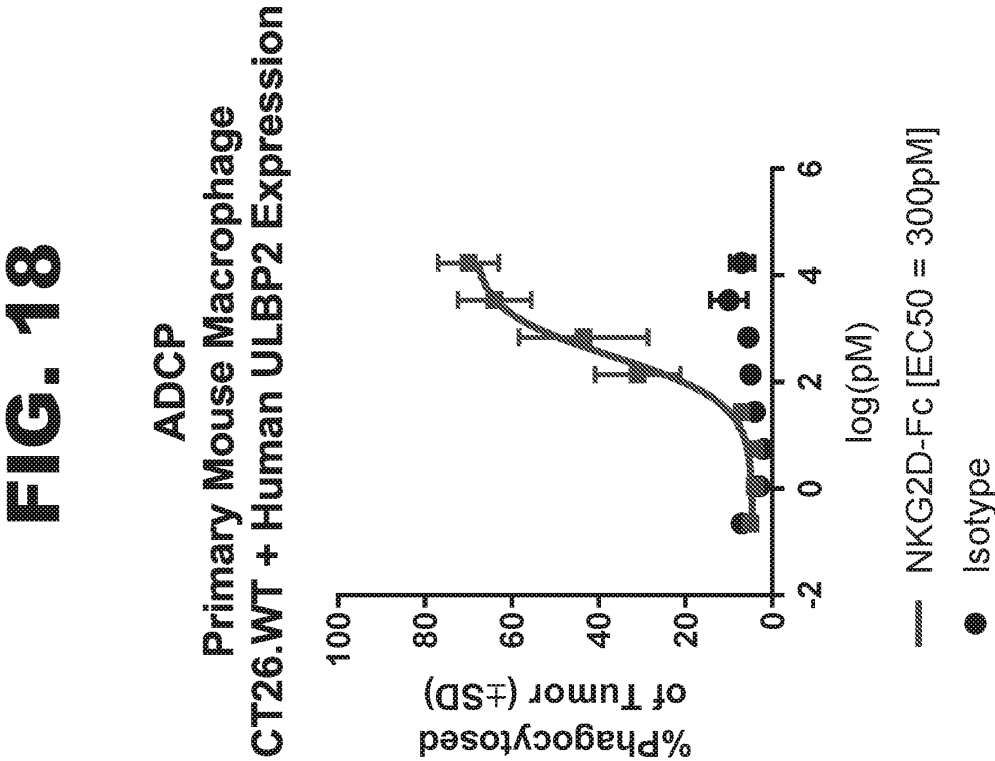


FIG. 17-Continued





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FIG. 19

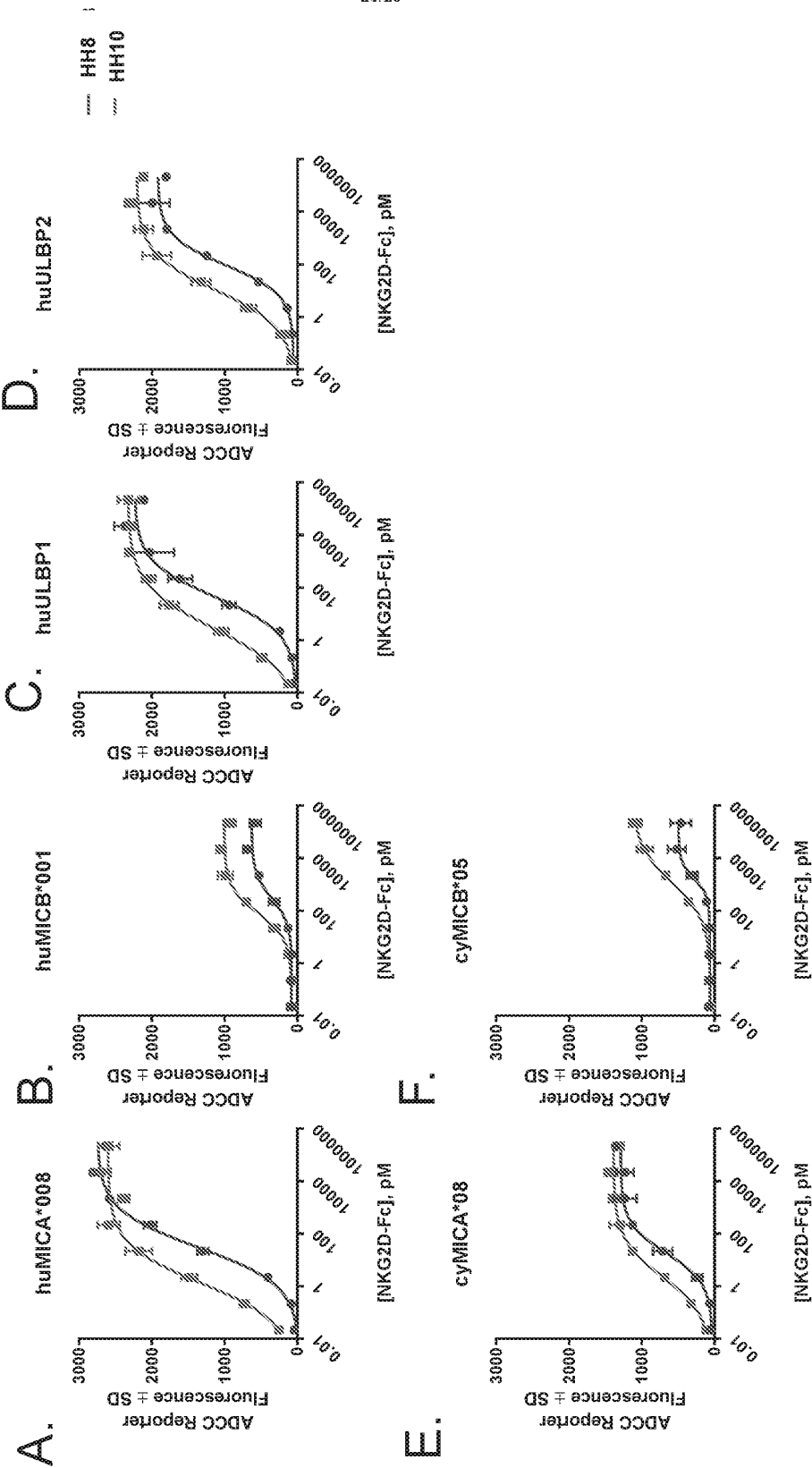
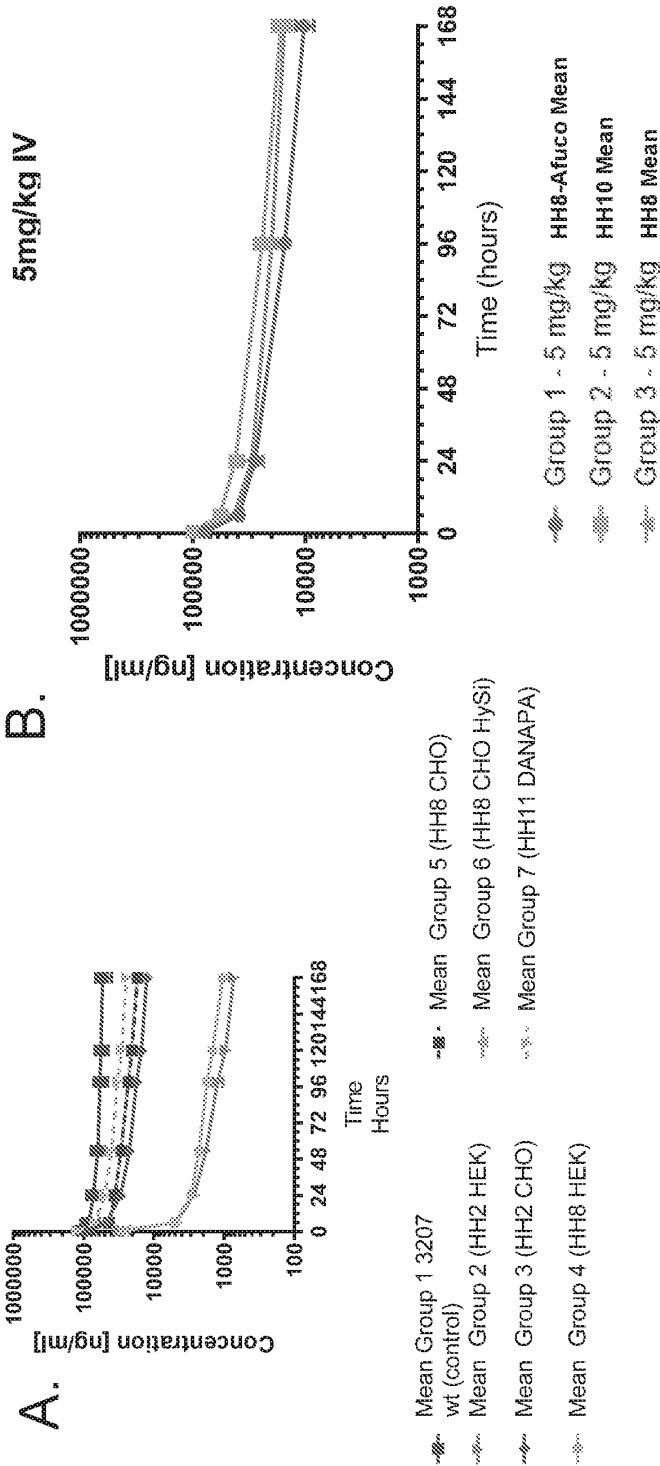


FIG. 20



#Based on allometric scaling from mouse to cynomolgus monkey

FIG. 21

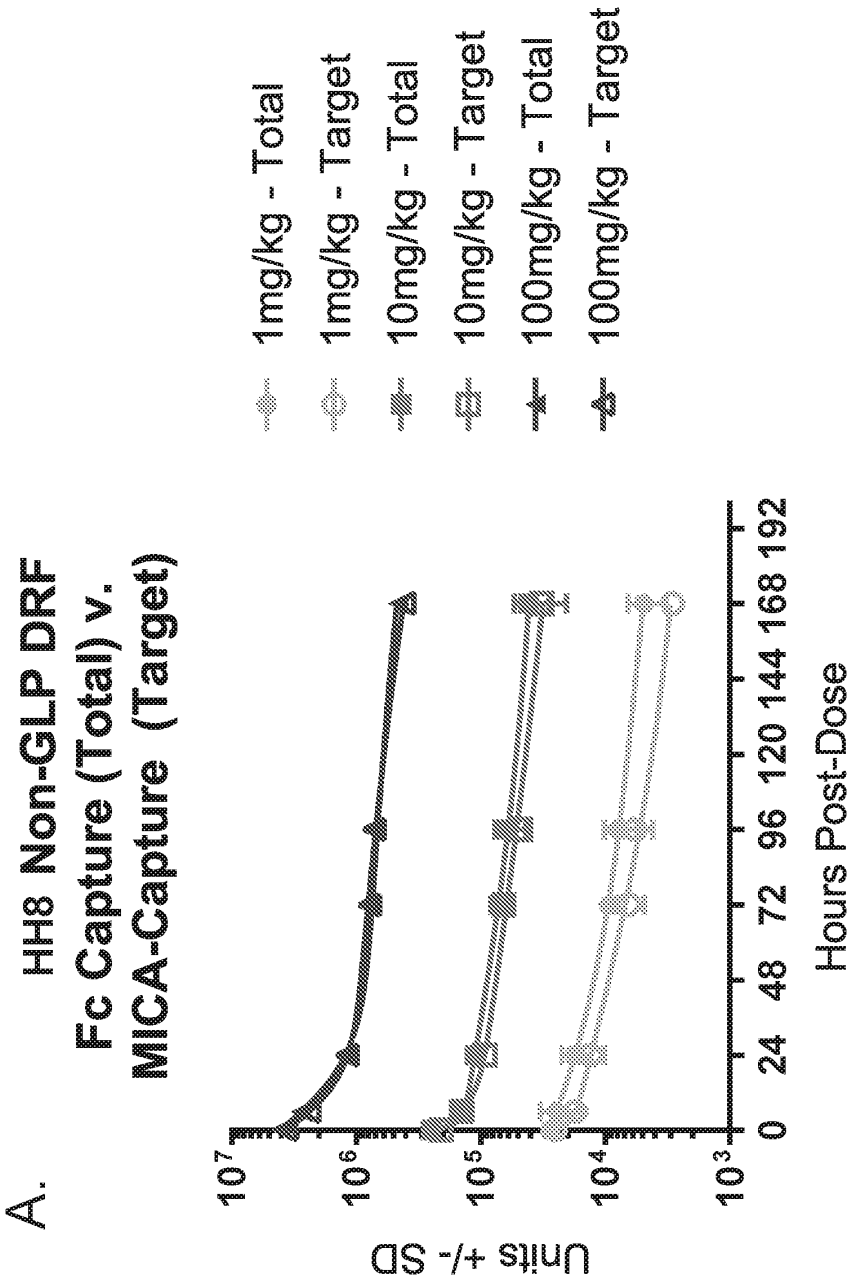


FIG. 21-Continued

B.

HH8 Cyno PK

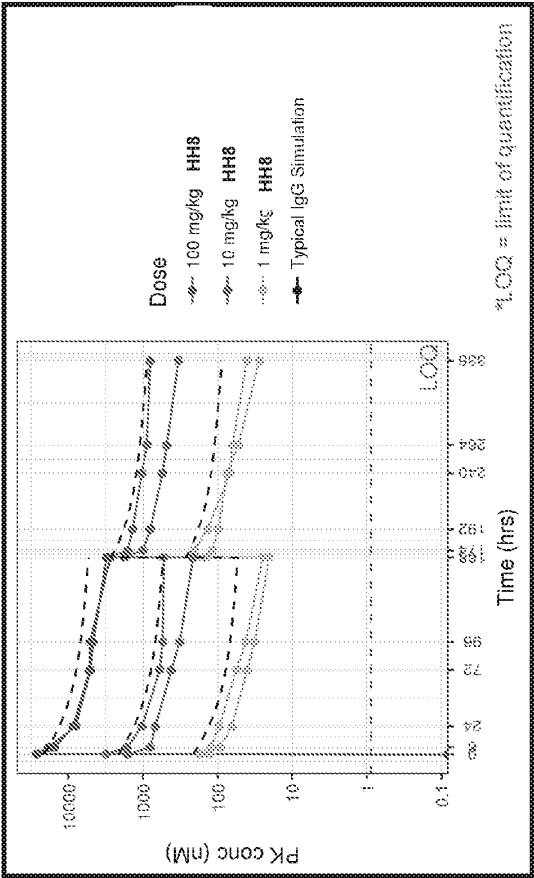


FIG. 22

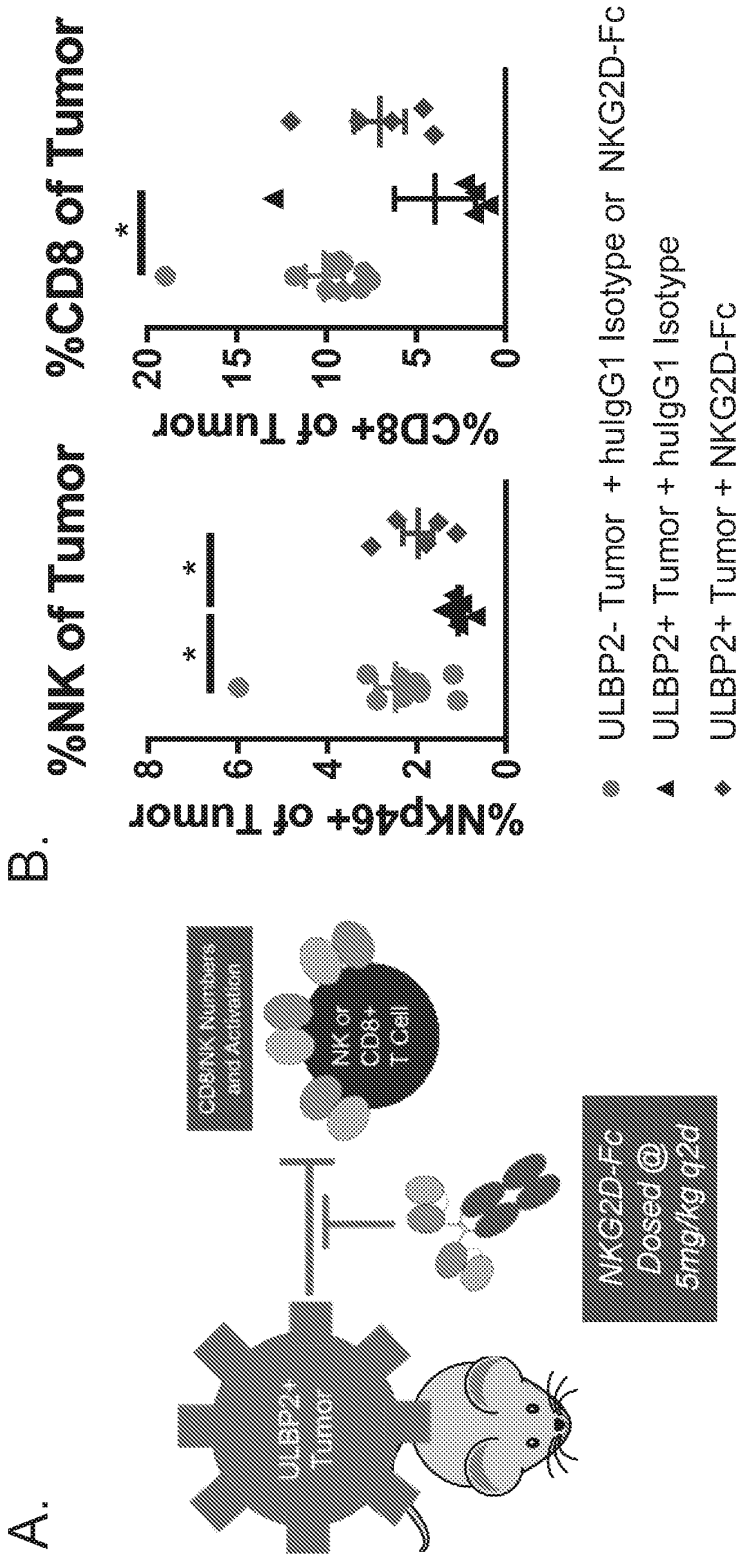


FIG. 23

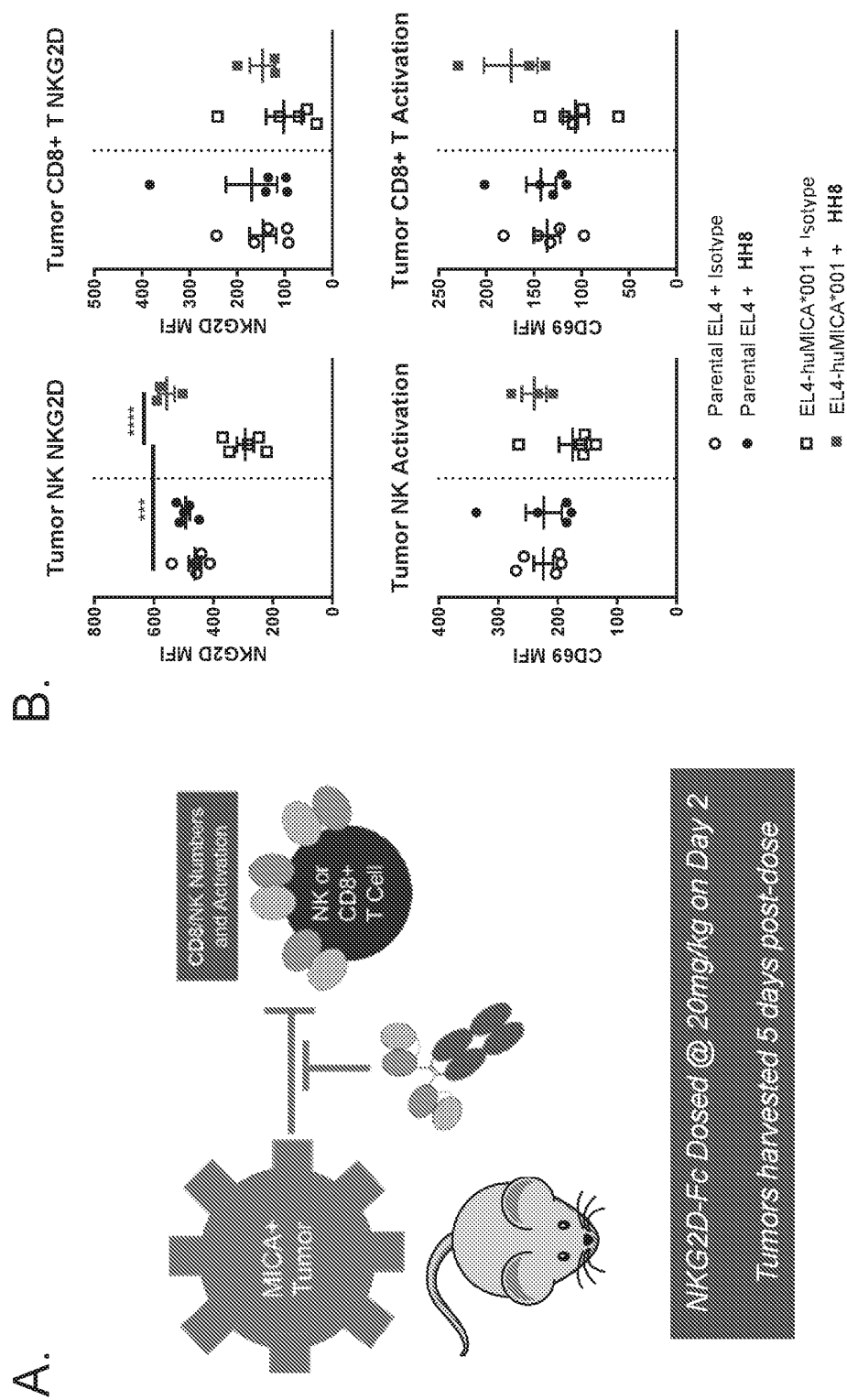


FIG. 24

