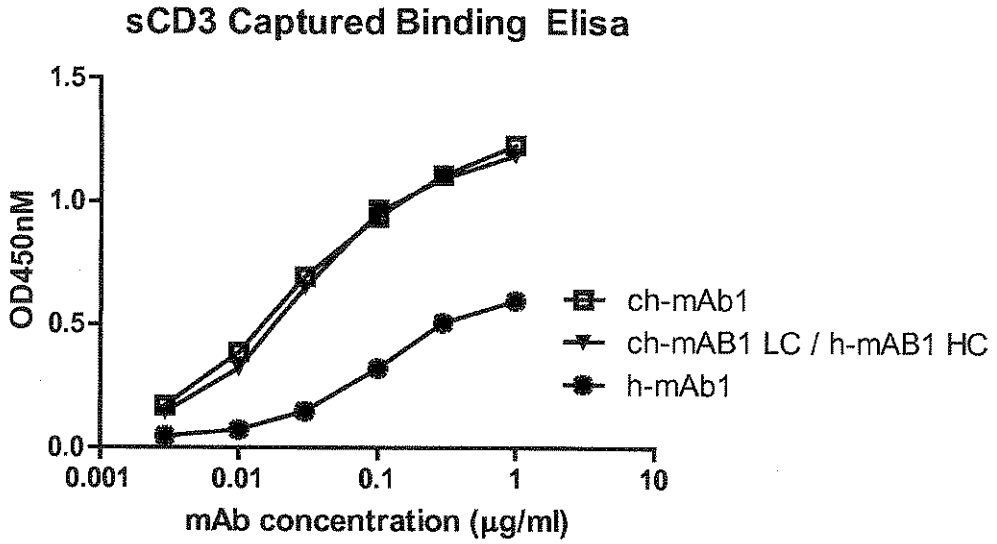


Figure 1A

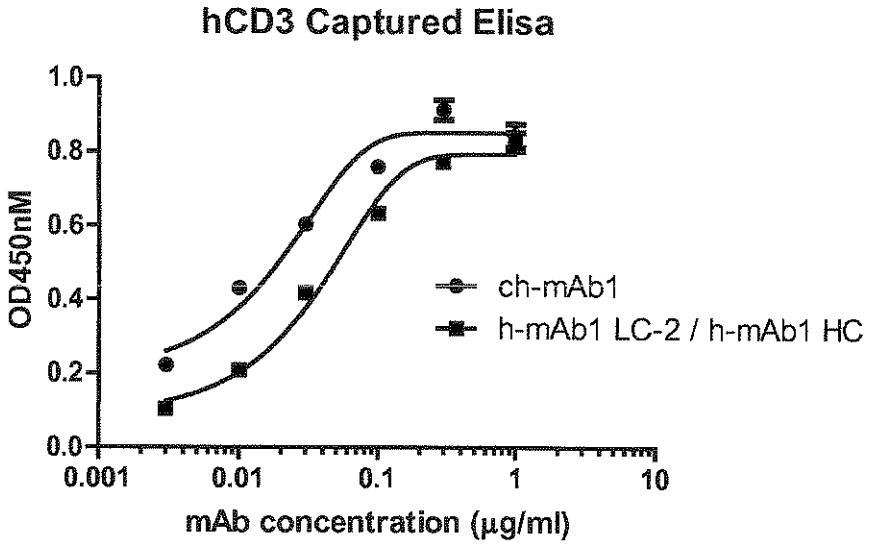


Figure 1B

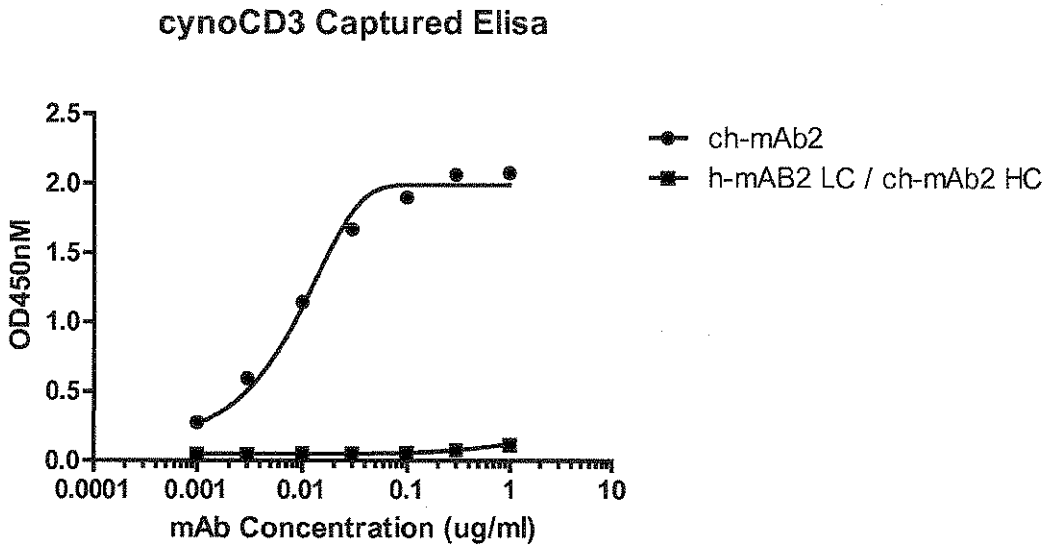


Figure 2A

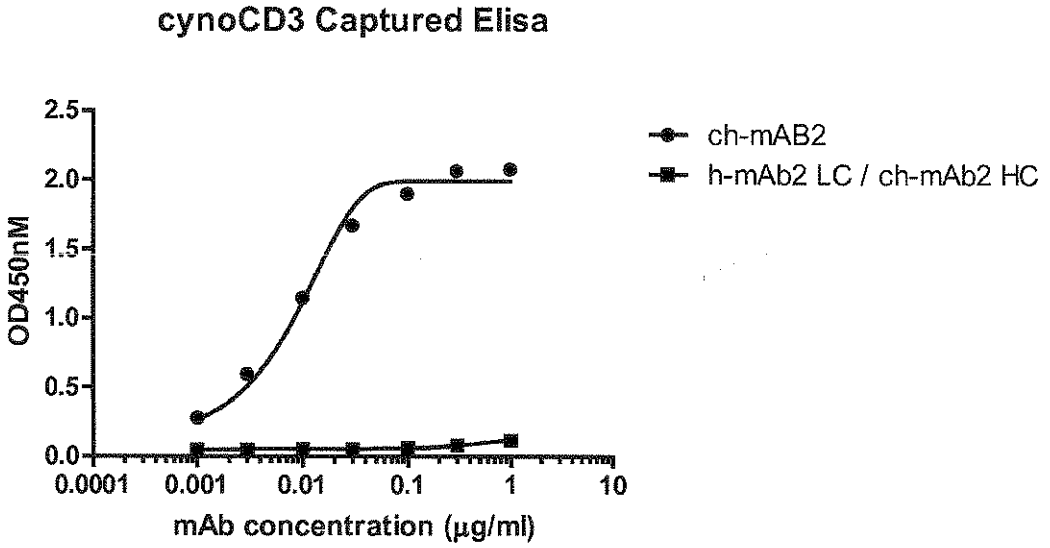


Figure 2B

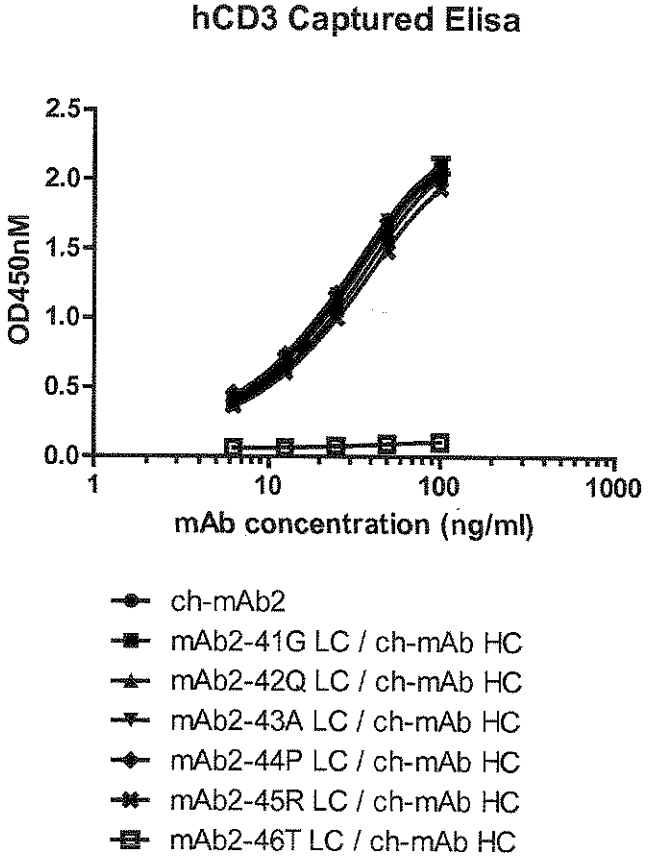

hCD3 Captured Elisa
OD450nM
2.5
2.0
1.5
1.0
0.5
0.0
1
10
100
1000
mAb concentration (ng/ml)
ch-mAb2
mAb2-41G LC / ch-mAb HC
mAb2-42Q LC / ch-mAb HC
mAb2-43A LC / ch-mAb HC
mAb2-44P LC / ch-mAb HC
mAb2-45R LC / ch-mAb HC
mAb2-46T LC / ch-mAb HC

Figure 3

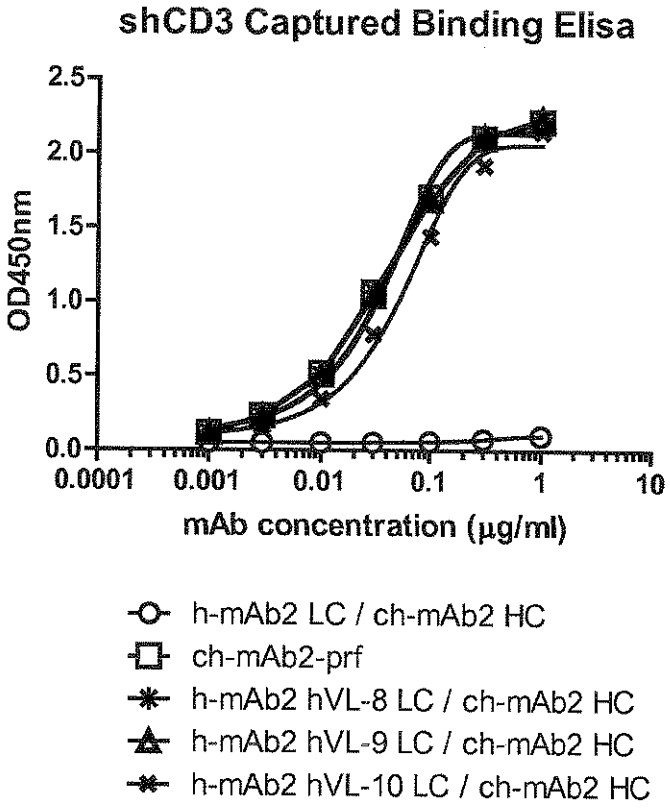

shCD3 Captured Binding Elisa
OD450nm
2.5
2.0
1.5
1.0
0.5
0.0
0.0001
0.001
0.01
0.1
1
10
mAb concentration (µg/ml)
h-mAb2 LC / ch-mAb2 HC
ch-mAb2-prf
h-mAb2 hVL-8 LC / ch-mAb2 HC
h-mAb2 hVL-9 LC / ch-mAb2 HC
h-mAb2 hVL-10 LC / ch-mAb2 HC

Figure 4

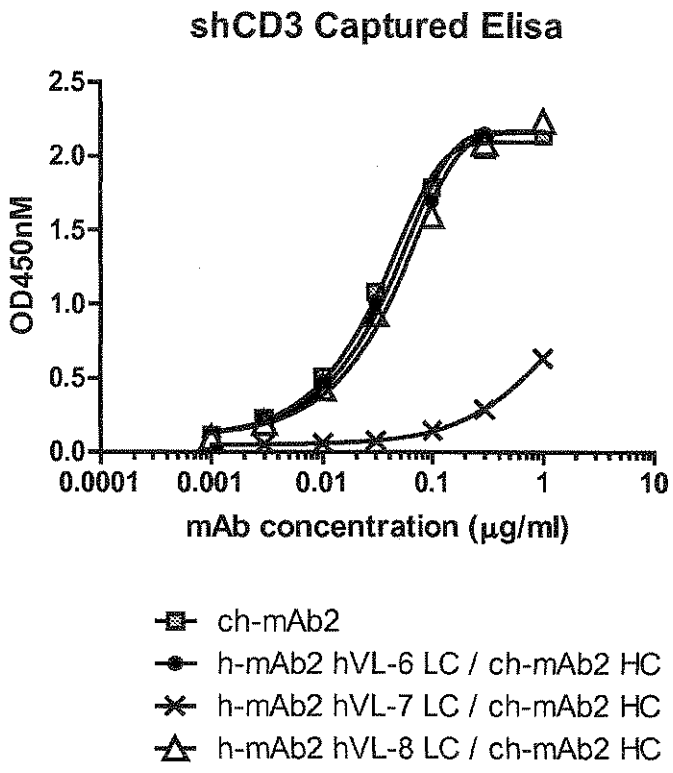

shCD3 Captured Elisa
OD450nM
2.5
2.0
1.5
1.0
0.5
0.0
0.0001
0.001
0.01
0.1
1
10
mAb concentration (µg/ml)
ch-mAb2
h-mAb2 hVL-6 LC / ch-mAb2 HC
h-mAb2 hVL-7 LC / ch-mAb2 HC
h-mAb2 hVL-8 LC / ch-mAb2 HC

Figure 5

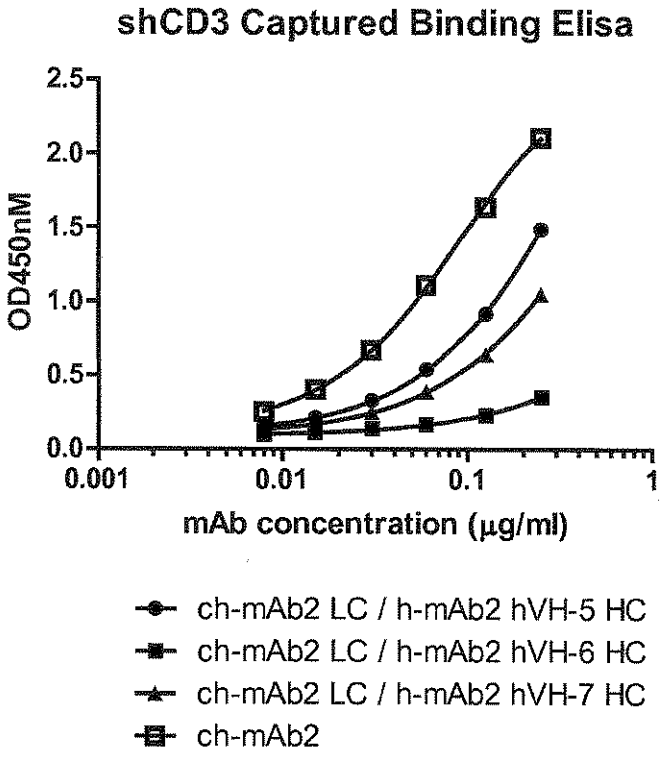

shCD3 Captured Binding Elisa
OD450nM
2.5
2.0
1.5
1.0
0.5
0.0
0.001
0.01
0.1
1
mAb concentration (µg/ml)
ch-mAb2 LC / h-mAb2 hVH-5 HC
ch-mAb2 LC / h-mAb2 hVH-6 HC
ch-mAb2 LC / h-mAb2 hVH-7 HC
ch-mAb2

Figure 6

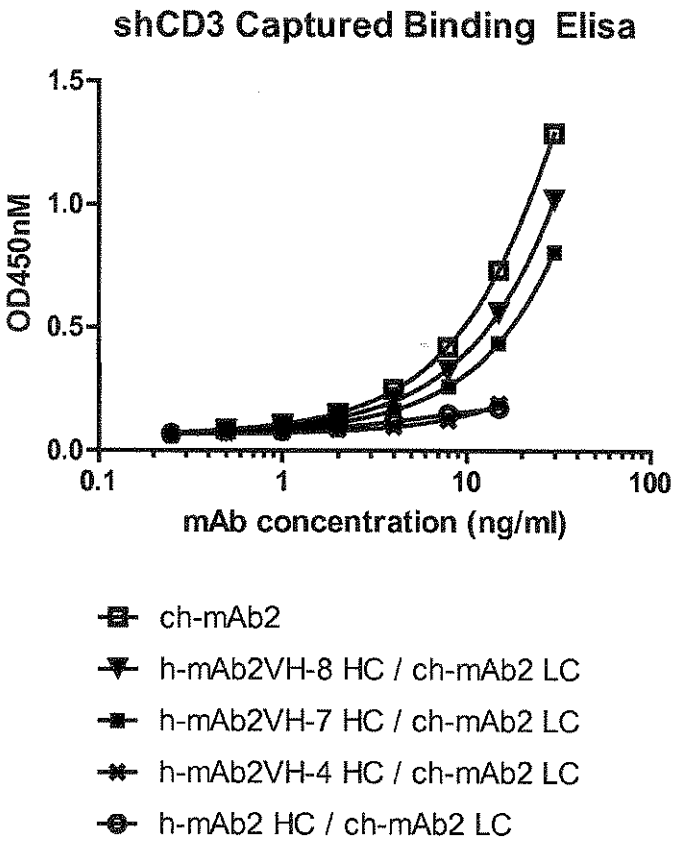

shCD3 Captured Binding Elisa
OD450nM
1.5
1.0
0.5
0.0
0.1
1
10
100
mAb concentration (ng/ml)
ch-mAb2
h-mAb2VH-8 HC / ch-mAb2 LC
h-mAb2VH-7 HC / ch-mAb2 LC
h-mAb2VH-4 HC / ch-mAb2 LC
h-mAb2 HC / ch-mAb2 LC

Figure 7

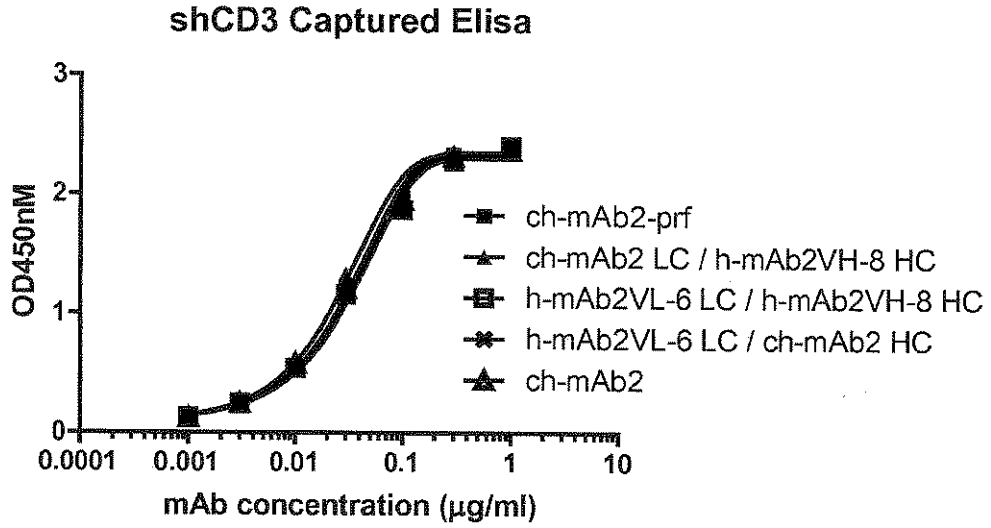


Figure 8A

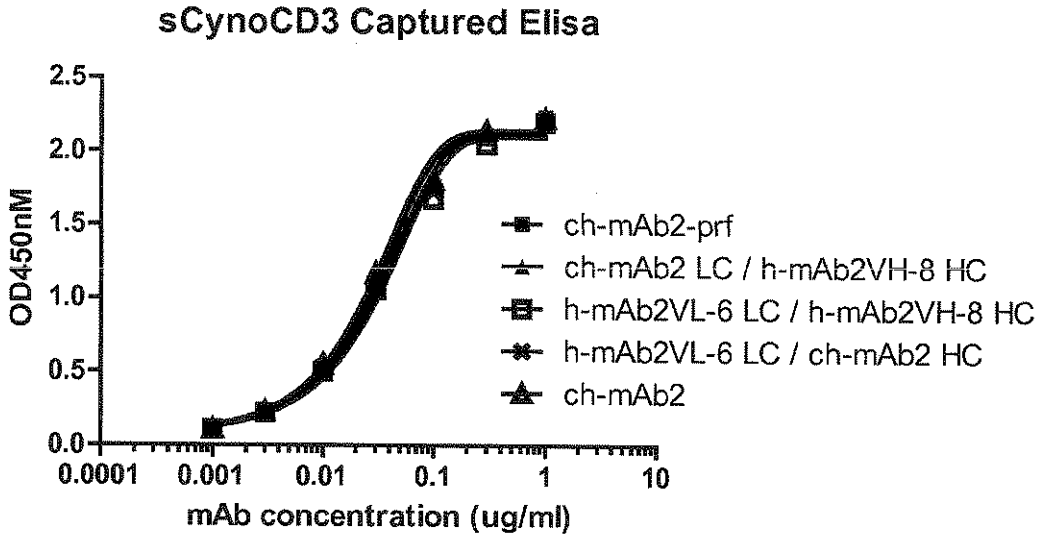
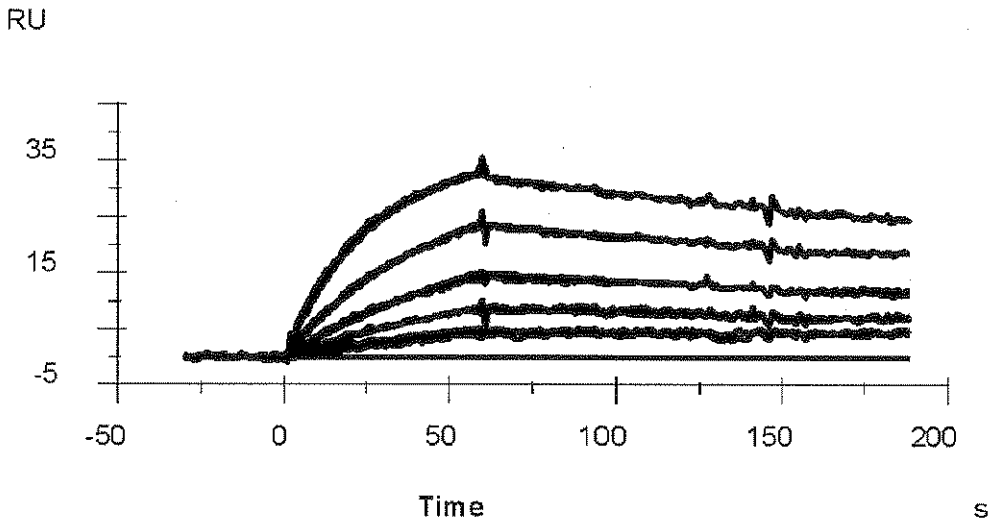
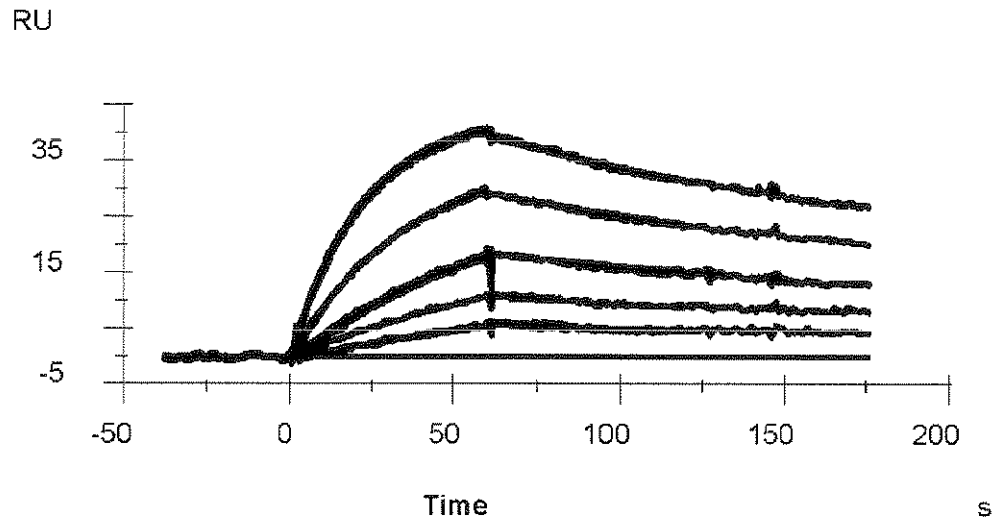


Figure 8B



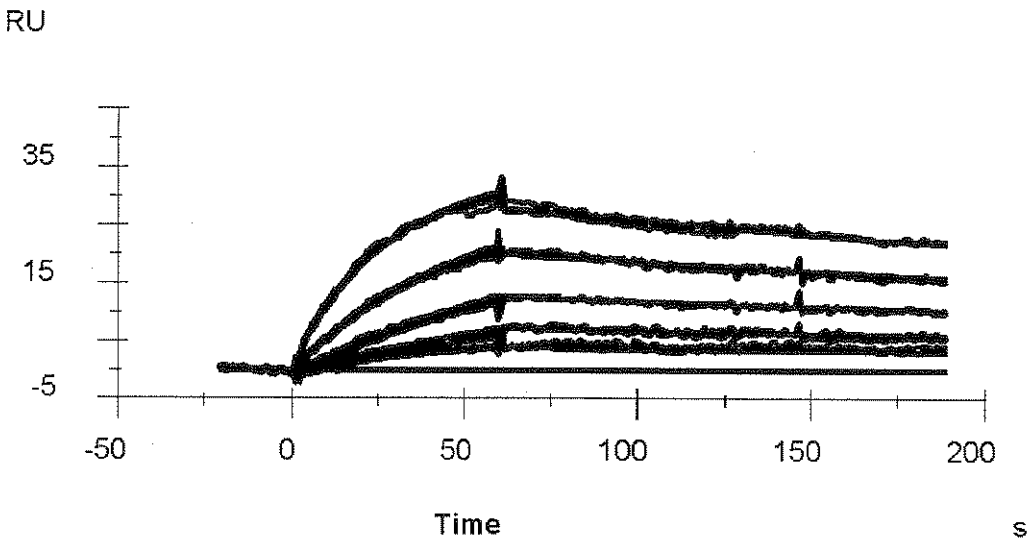
ch-mAb2 / shCD3
$K_a = 1.7 \times 10^5$ $K_d = 2.5 \times 10^{-3}$ $K_D = 14.7$ nM

Figure 9A



h-mAb2 8.6 / shCD3
$K_a = 1.9 \times 10^5$ $K_d = 3.8 \times 10^{-3}$ $K_D = 20.0$ nM

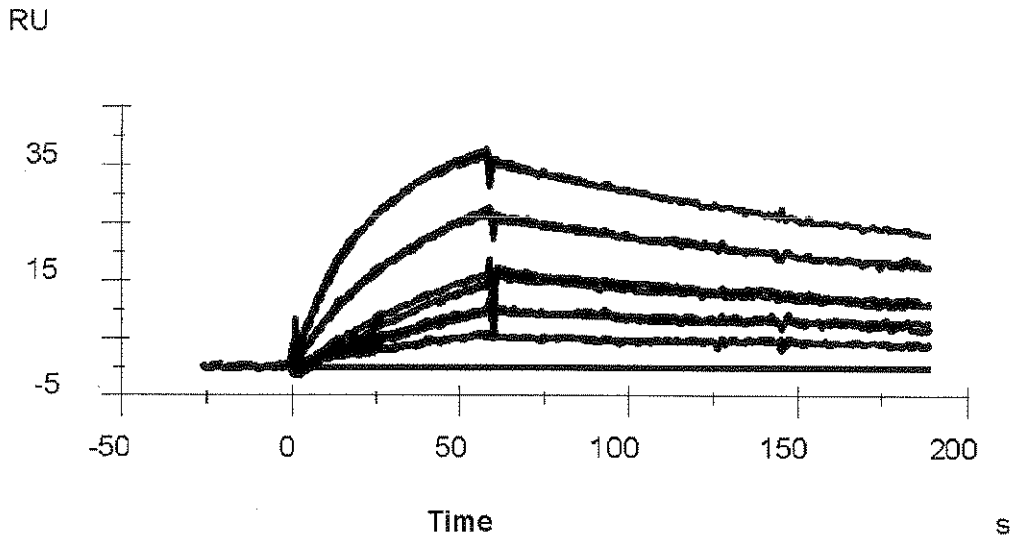
Figure 9B



ch-mAb2 / scCD3

$K_a = 1.6 \times 10^5$ $K_d = 2.3 \times 10^{-3}$ $K_D = 14.4$ nM

Figure 9C



h-mAb2 8.6 / shCD3

$K_a = 1.7 \times 10^5$ $K_d = 4.1 \times 10^{-3}$ $K_D = 24.1$ nM

Figure 9D

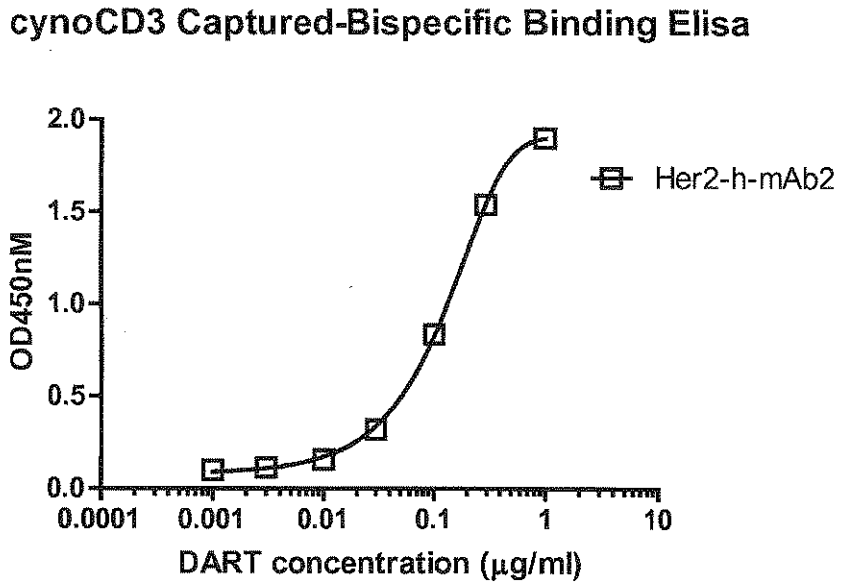


Figure 10A

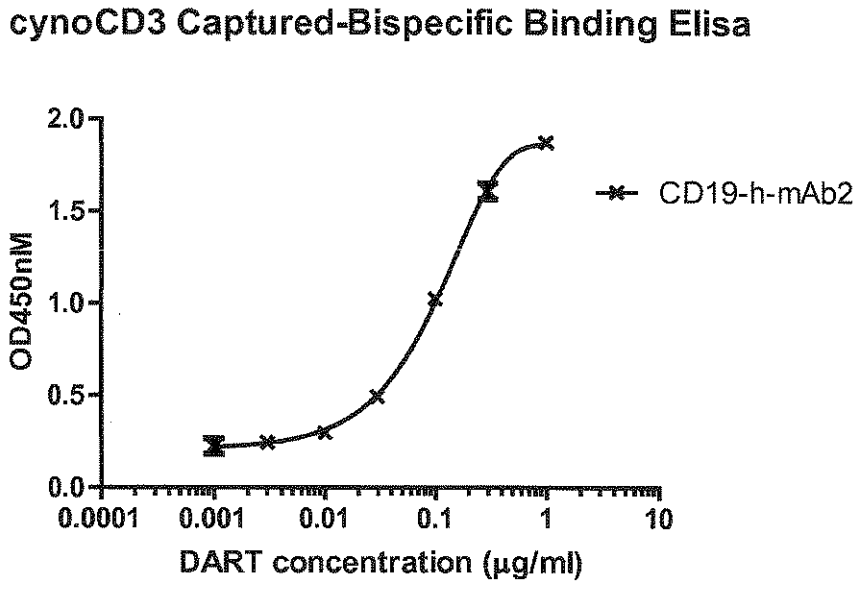


Figure 10B

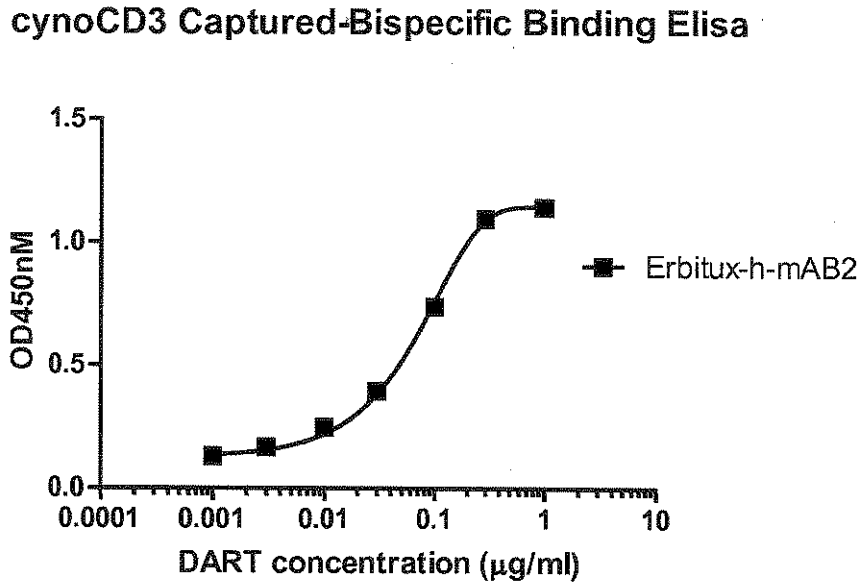


Figure 10C

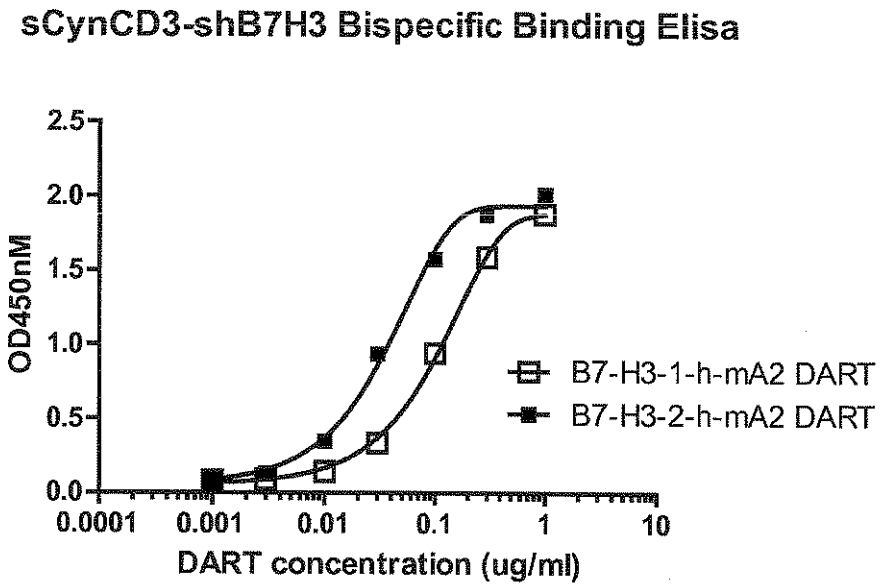


Figure 10D

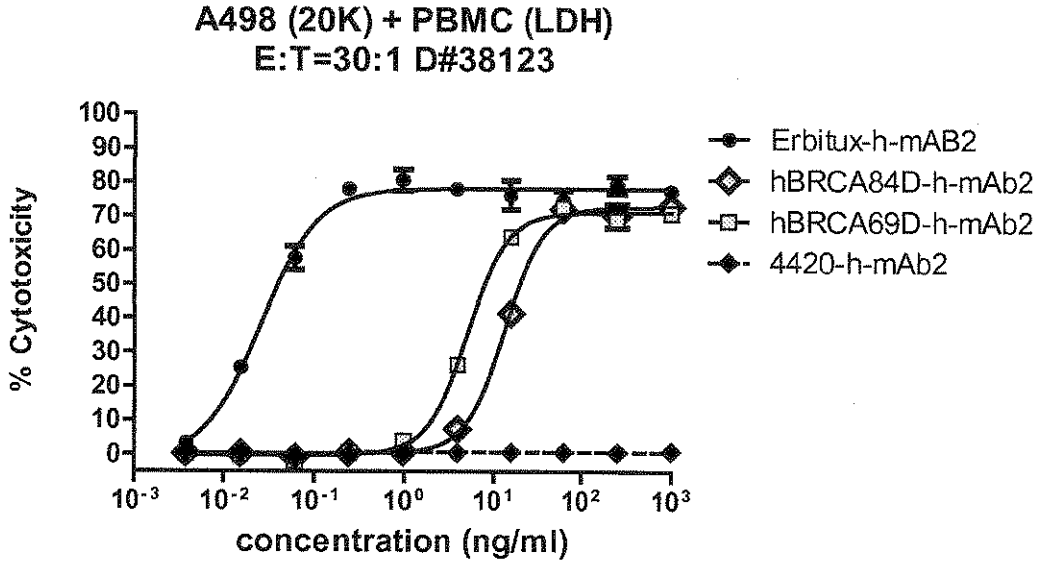


Figure 11A

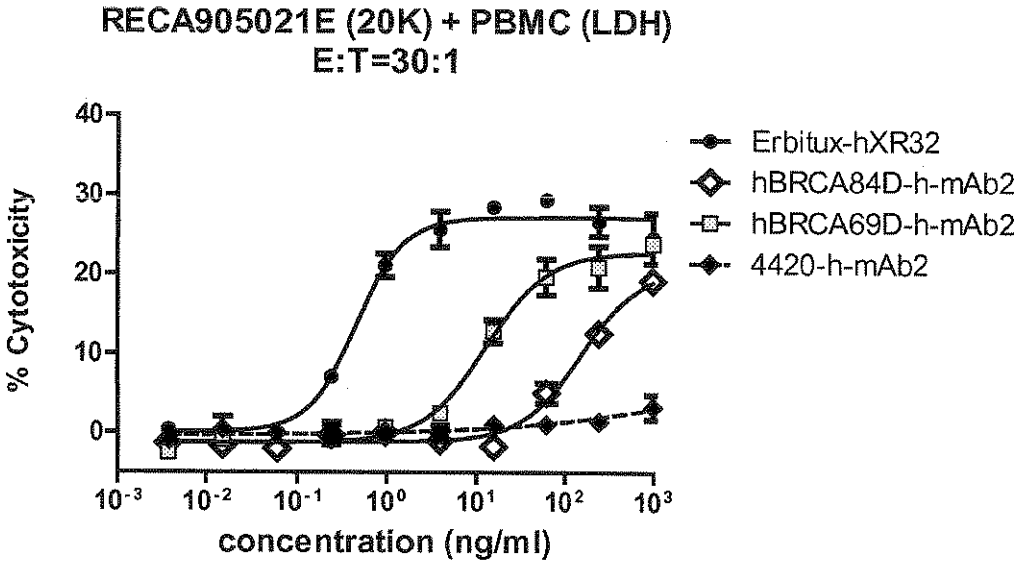


Figure 11B

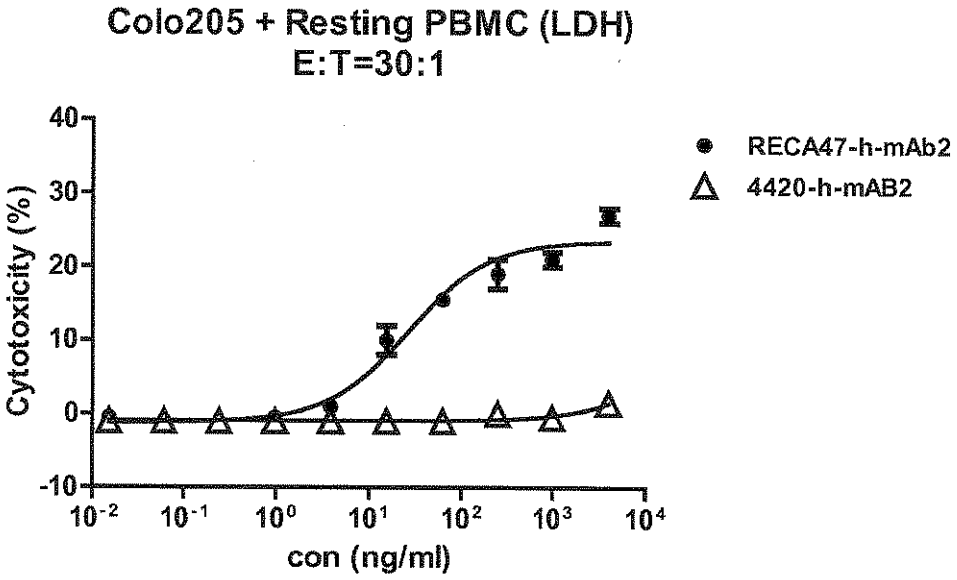


Figure 12A

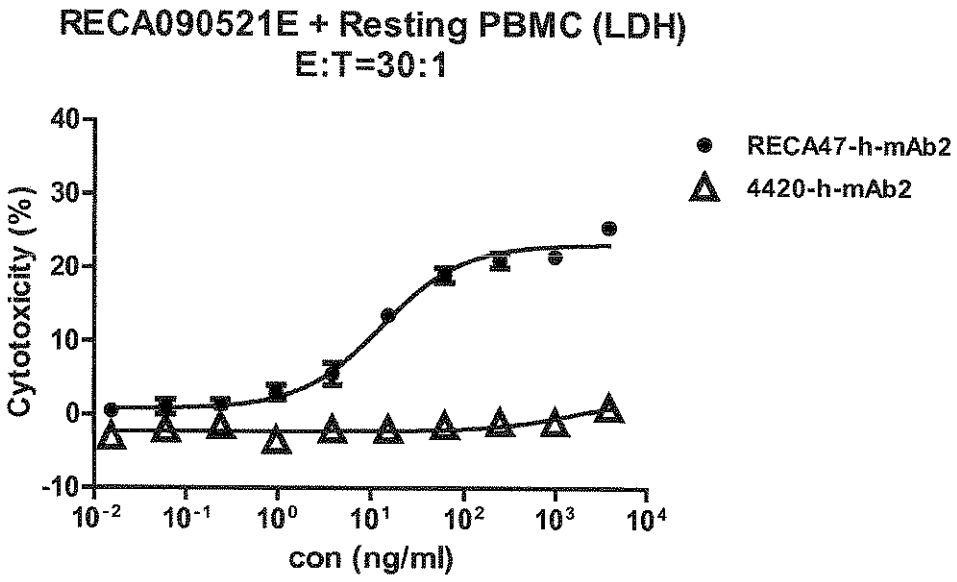


Figure 12B

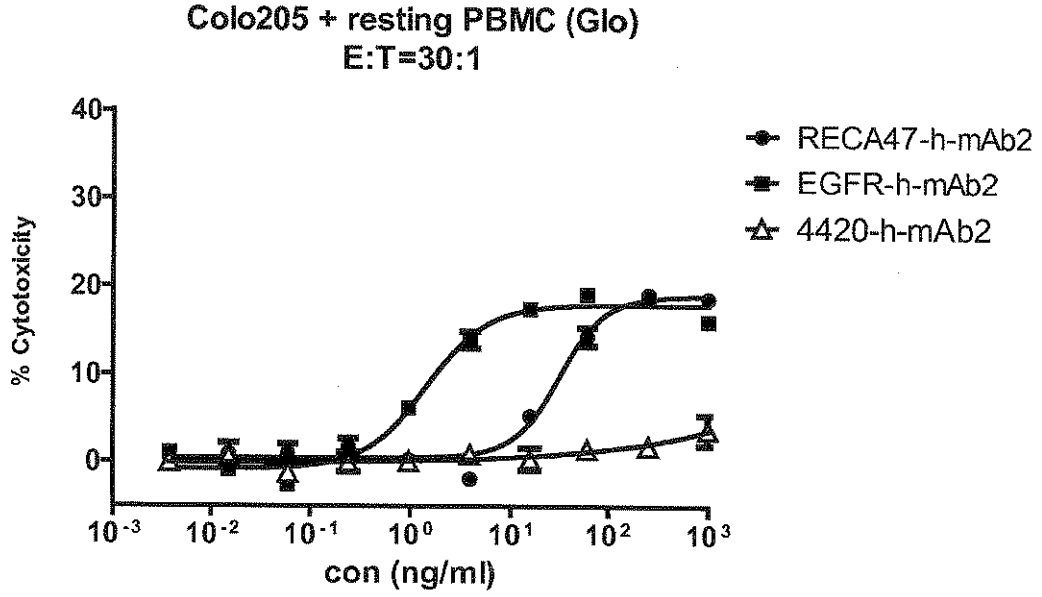


Figure 12C

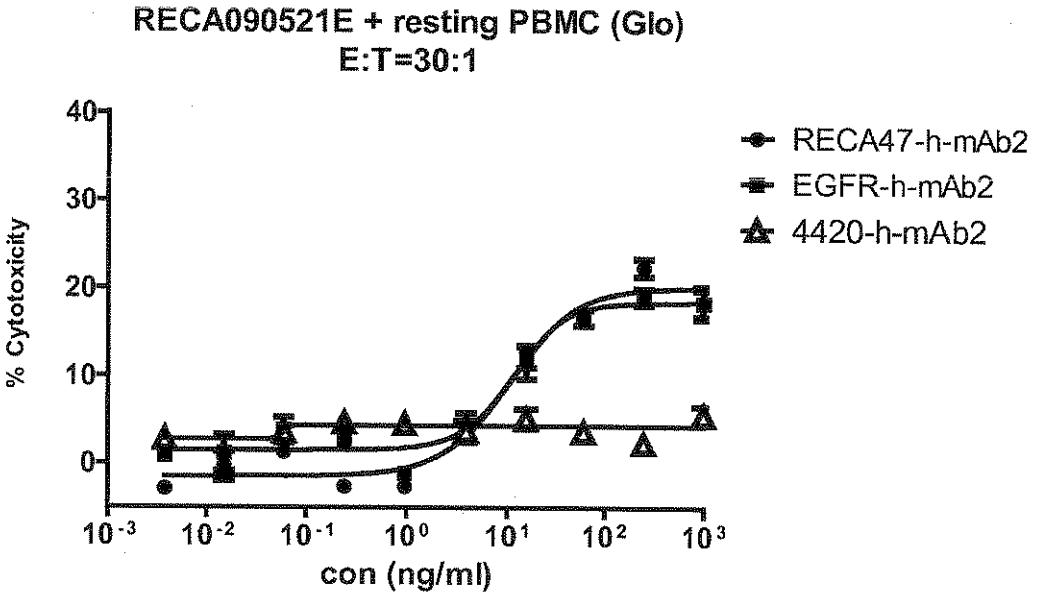


Figure 12D

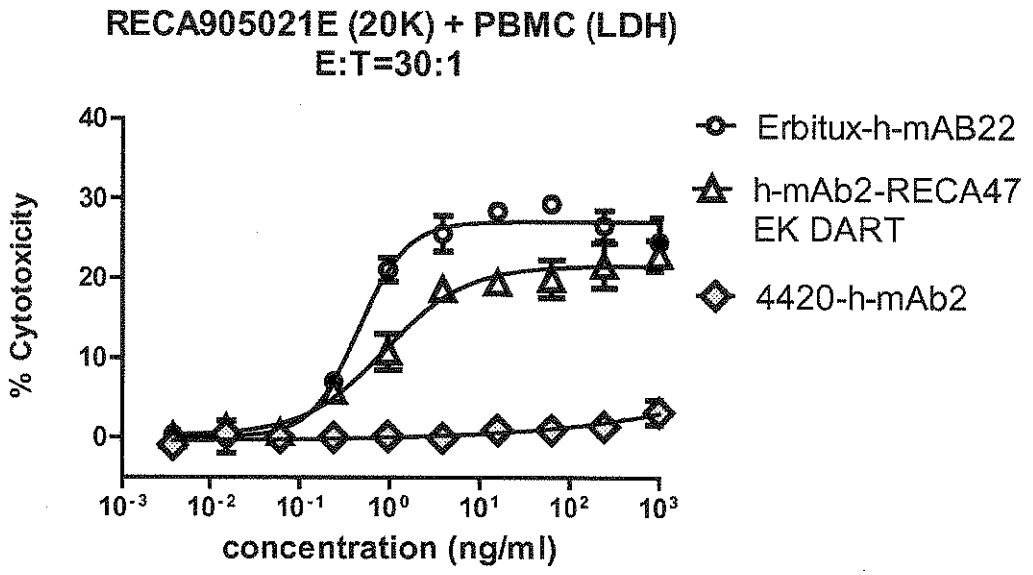

RECA905021E (20K) + PBMC (LDH)
E:T=30:1
% Cytotoxicity
40
30
20
10
0
10^{-3}
10^{-2}
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
concentration (ng/ml)
Erbitux-h-mAB22
h-mAb2-RECA47 EK DART
4420-h-mAb2

Figure 12E

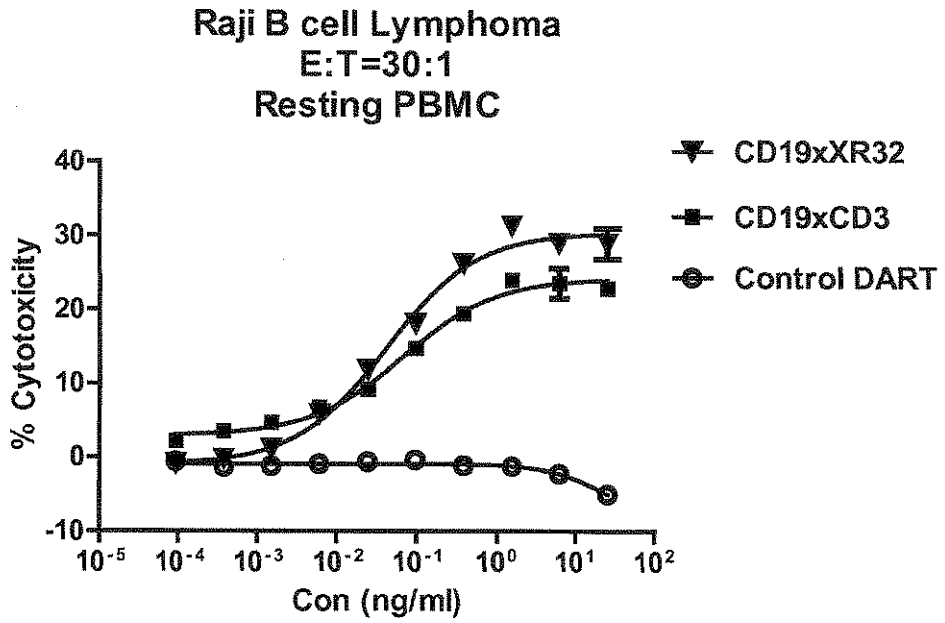


Figure 13A

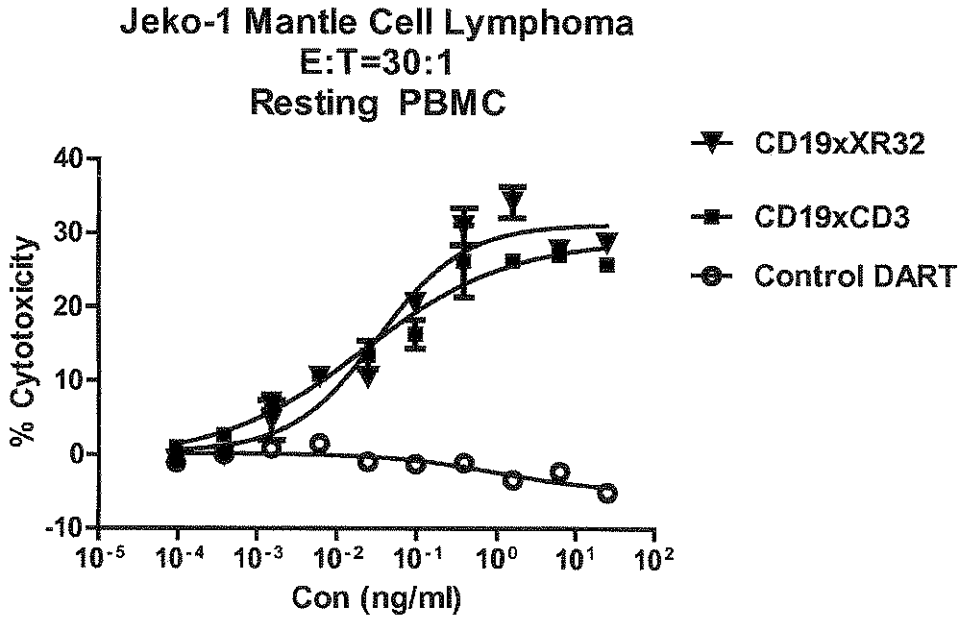


Figure 13B

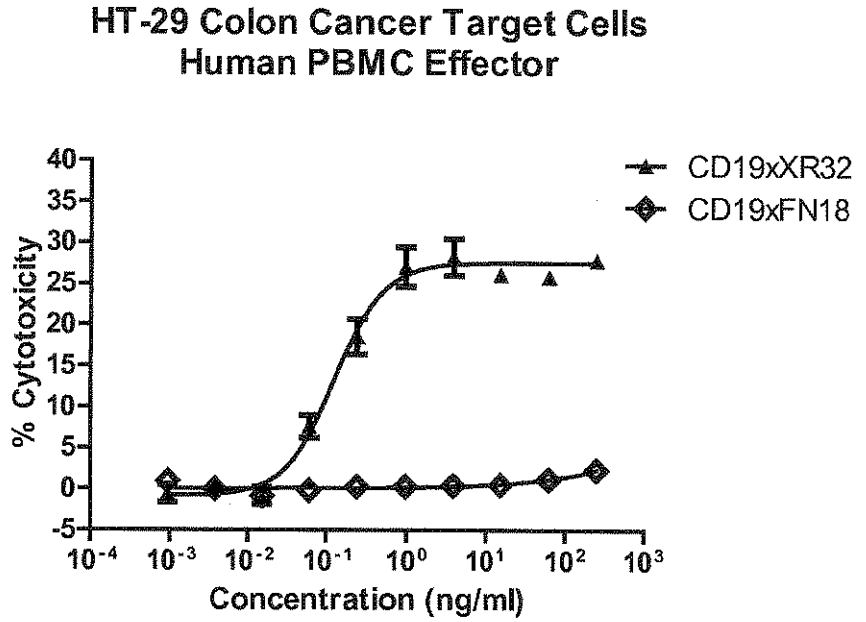


Figure 14A

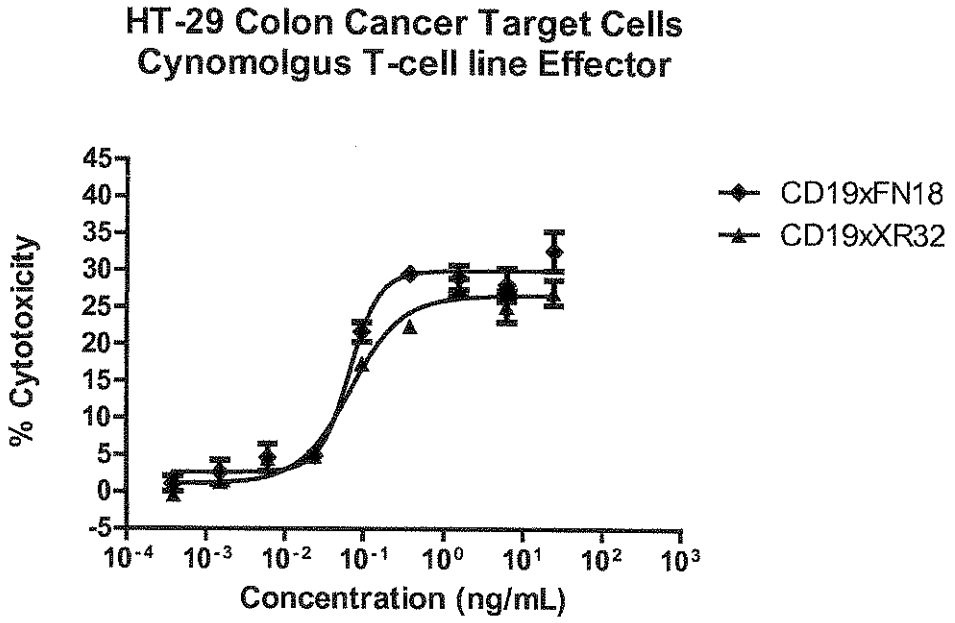


Figure 14B

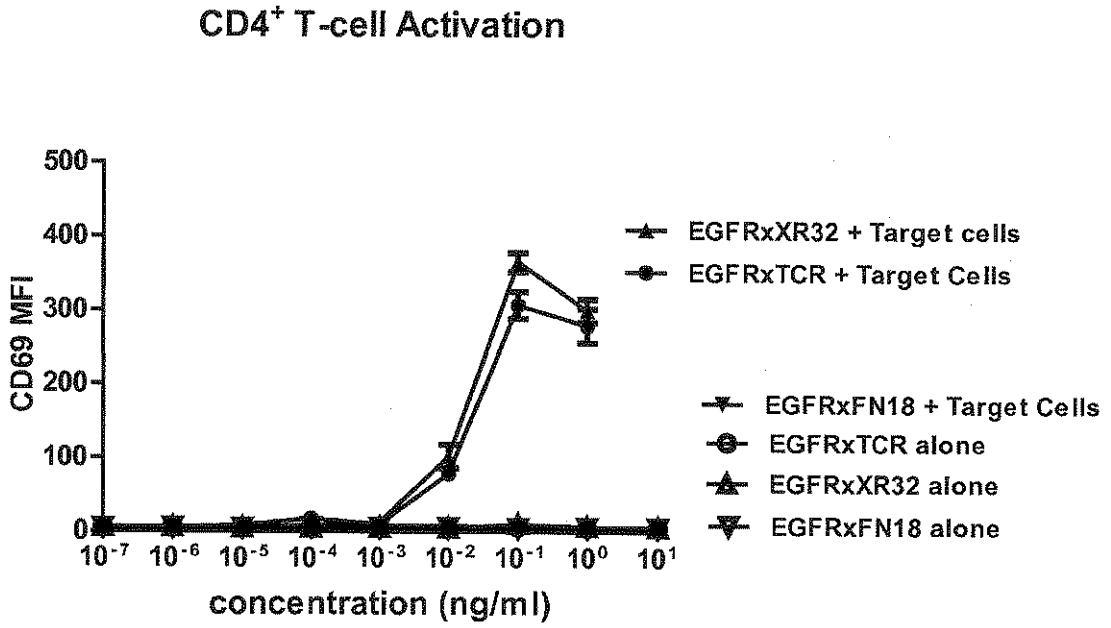


Figure 15A

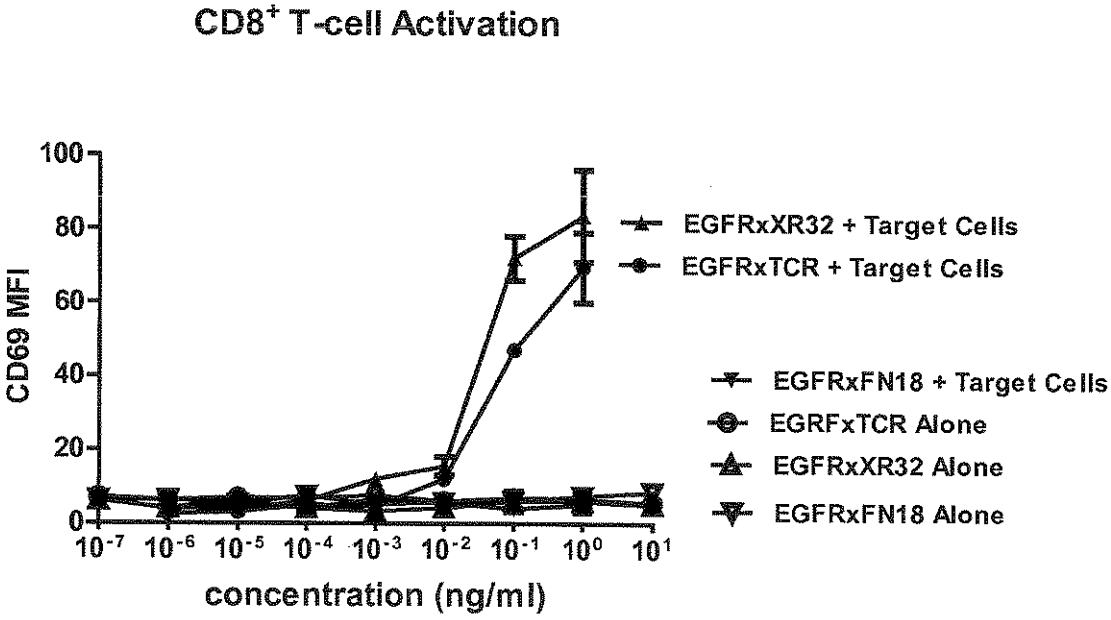


Figure 15B

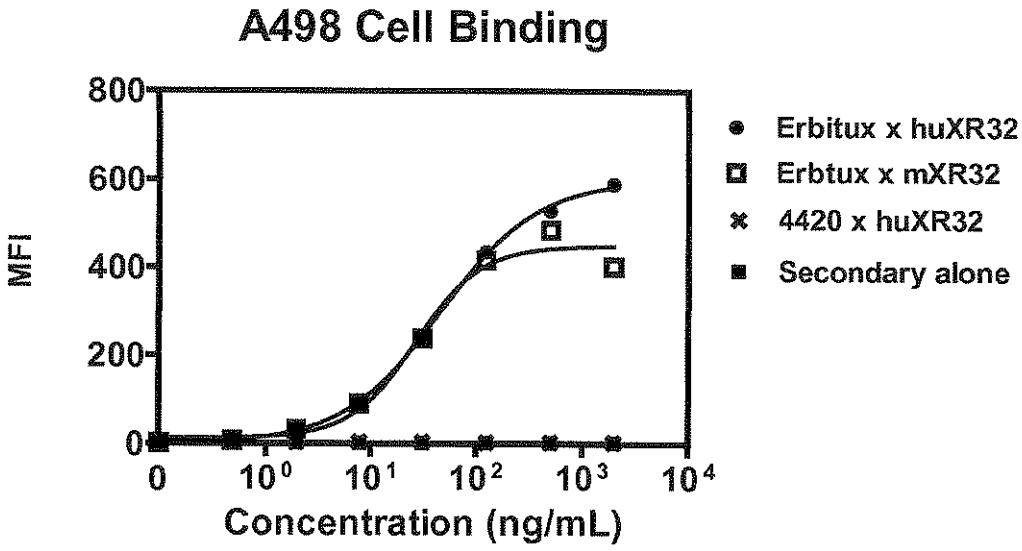


Figure 16A

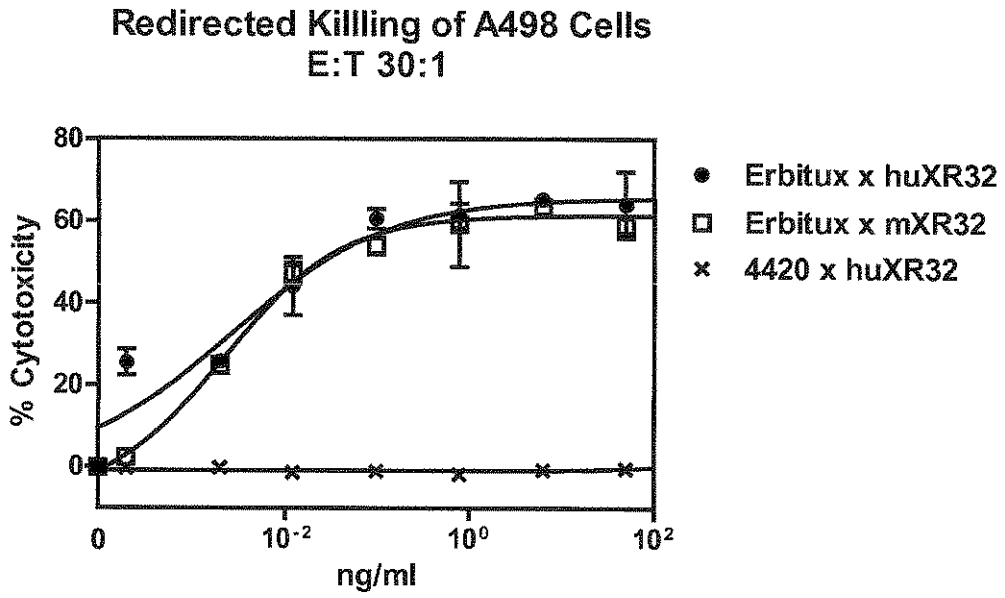


Figure 16B

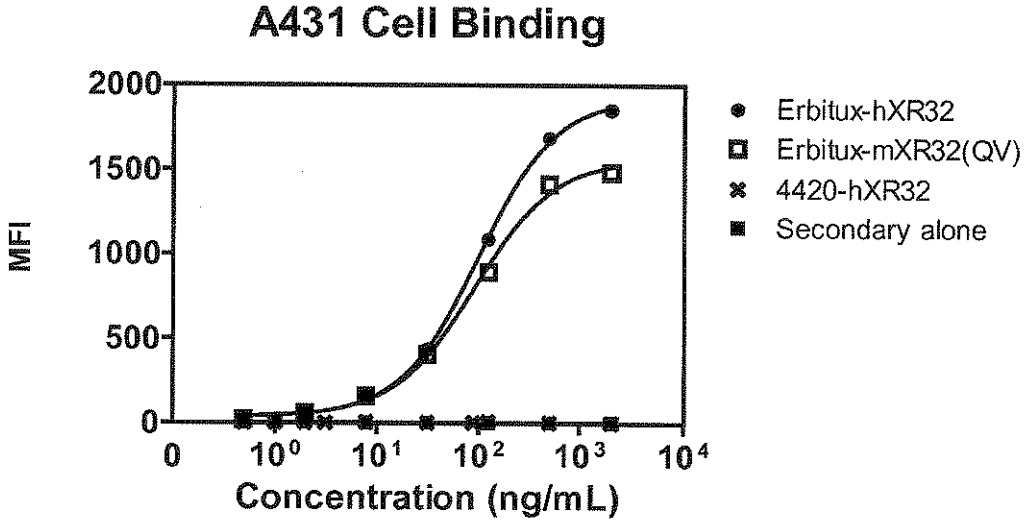


Figure 16C

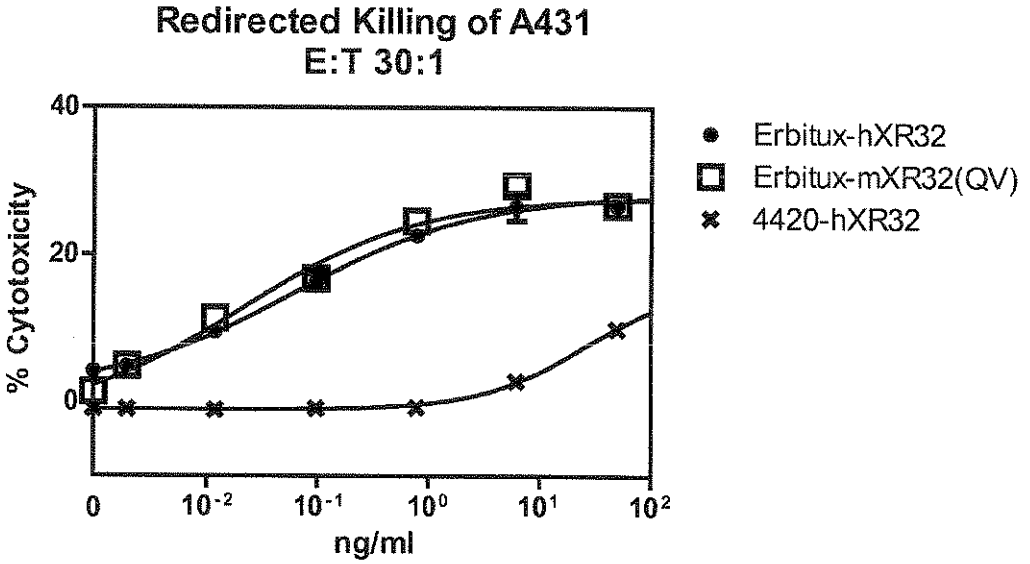


Figure 16D