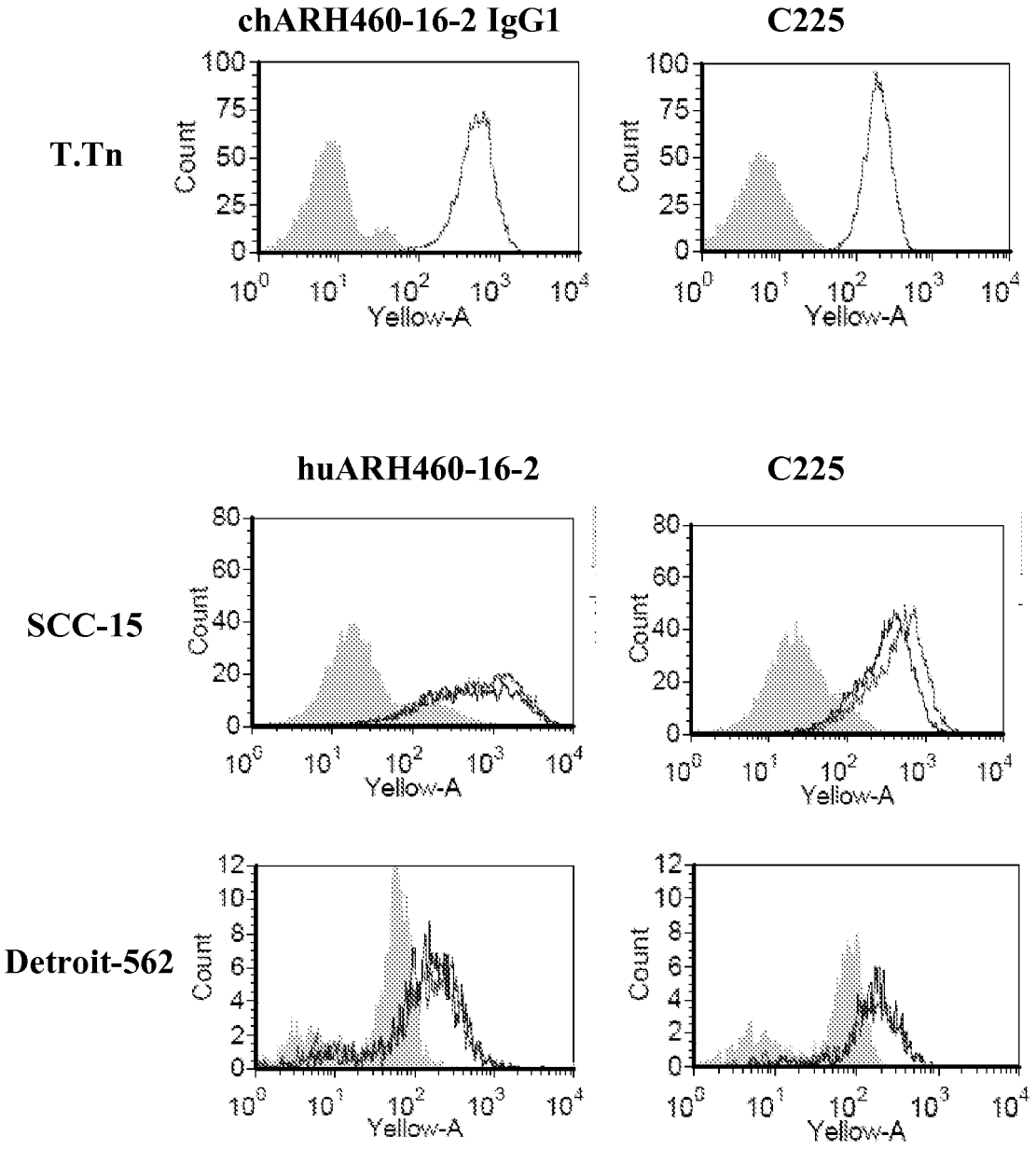
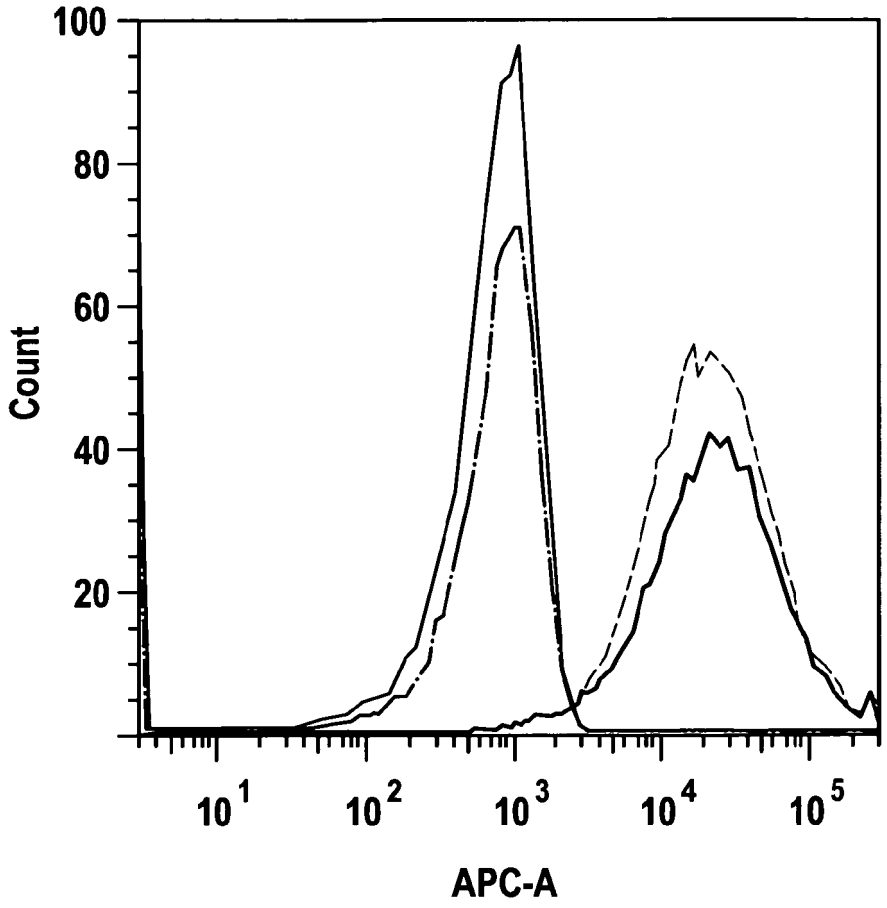
FIGURE 1A


chARH460-16-2 IgG1
C225
T.Tn
huARH460-16-2
C225
SCC-15
Detroit-562
Count
Yellow-A

# FIGURE 1B




| | Sample Name | Mean, APC-A |
|---|---|---|
| -·-·-·- | CAL 27 #1 Rituximab.fcs | 965.14 |
| ——— | CAL 27 #1 huCD44.fcs | 35283.00 |
| ——— | CAL 27 #2 Rituximab.fcs | 886.42 |
| - - - - - - - | CAL 27 #2 huCD44.fcs | 33030.21 |

FIGURE 2

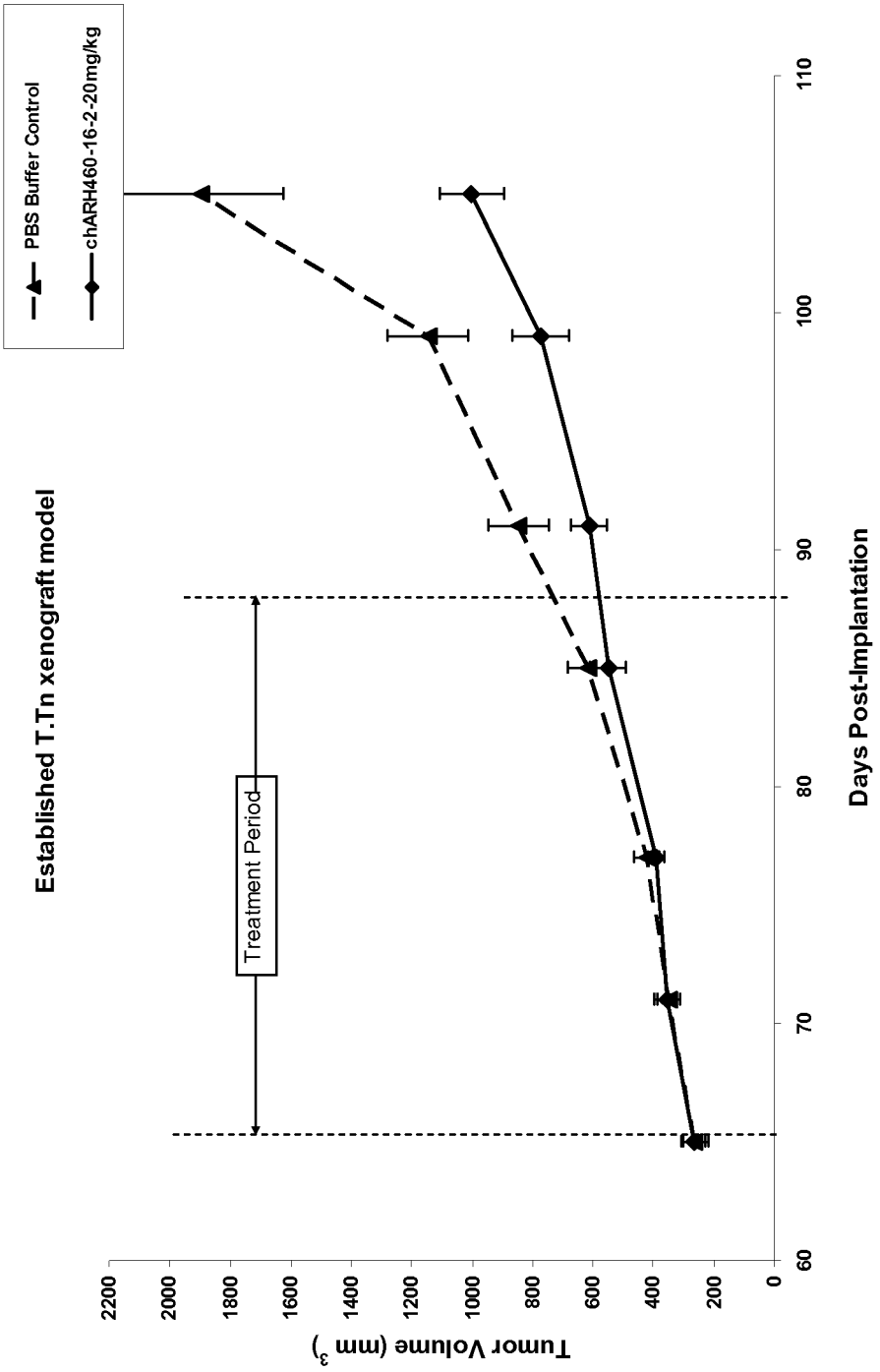

Established T.Tn xenograft model
PBS Buffer Control
chARH460-16-2-20mg/kg
Treatment Period
Tumor Volume (mm 3)
Days Post-Implantation
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
60
70
80
90
100
110

FIGURE 3

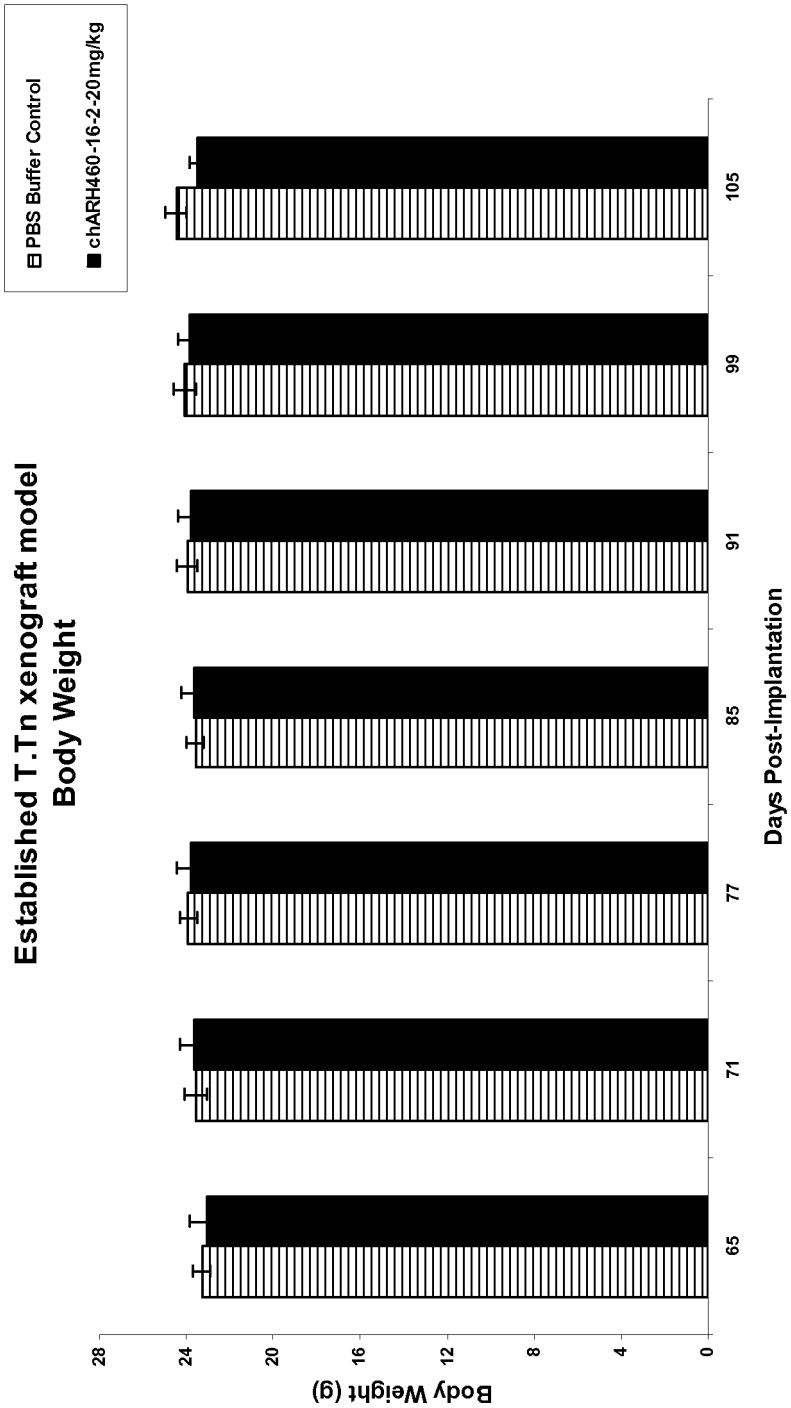

Established T.Tn xenograft model
Body Weight
PBS Buffer Control
chARH460-16-2-20mg/kg
Body Weight (g)
0
4
8
12
16
20
24
28
65
71
77
85
91
99
105
Days Post-Implantation

FIGURE 4

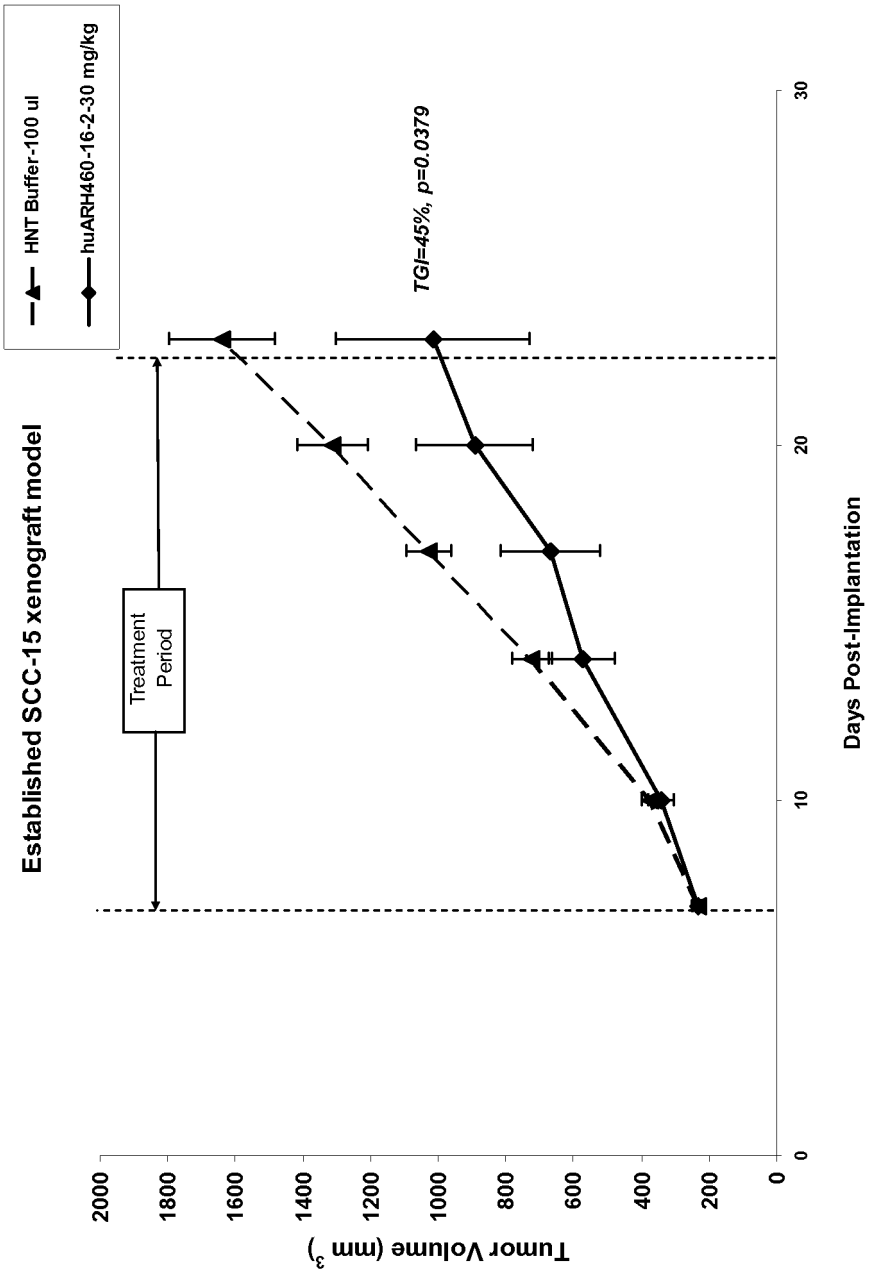

Established SCC-15 xenograft model
HNT Buffer-100 ul
huARH460-16-2-30 mg/kg
TGI=45%, p=0.0379
Treatment Period
Tumor Volume (mm 3)
Days Post-Implantation
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0
10
20
30

FIGURE 5

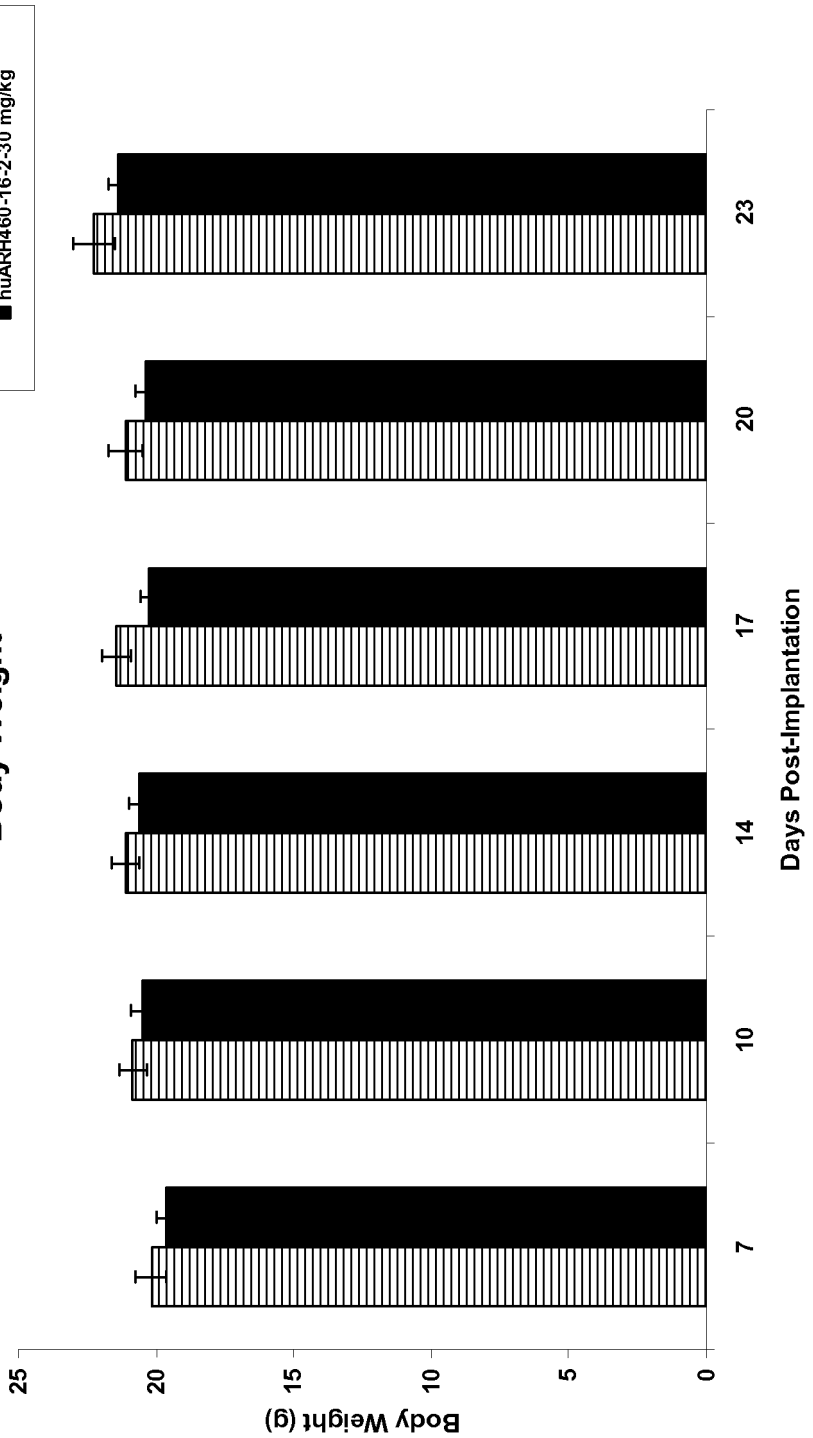

Established SCC-15 xenograft model
Body Weight
HNT Buffer-100 ul
huARH460-16-2-30 mg/kg
Body Weight (g)
0
5
10
15
20
25
Days Post-Implantation
7
10
14
17
20
23

FIGURE 6

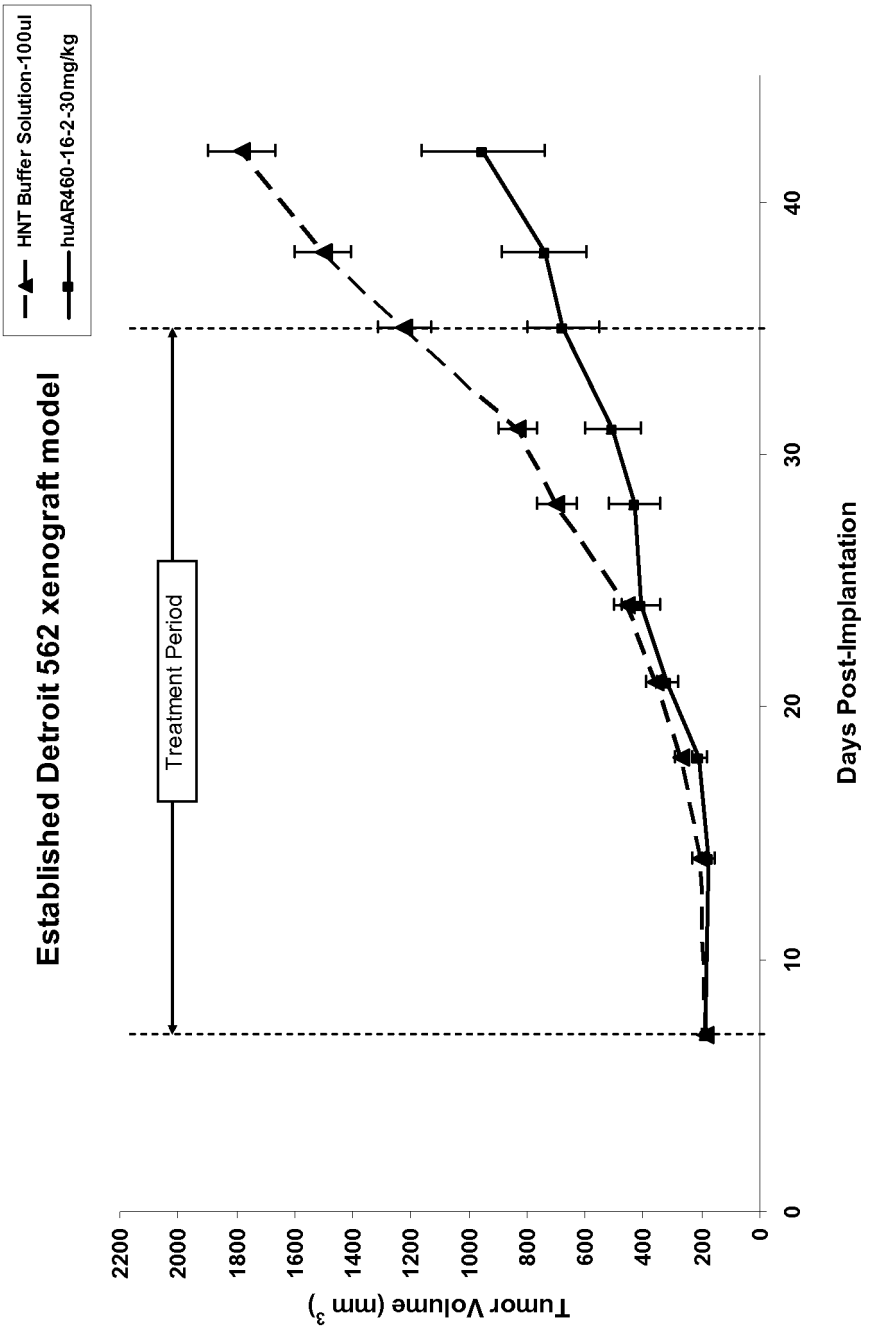

Established Detroit 562 xenograft model
HNT Buffer Solution-100ul
huAR460-16-2-30mg/kg
Treatment Period
Tumor Volume (mm 3)
Days Post-Implantation
0
200
400
600
800
1000
1200
1400
1600
1800
2000
2200
0
10
20
30
40

FIGURE 7

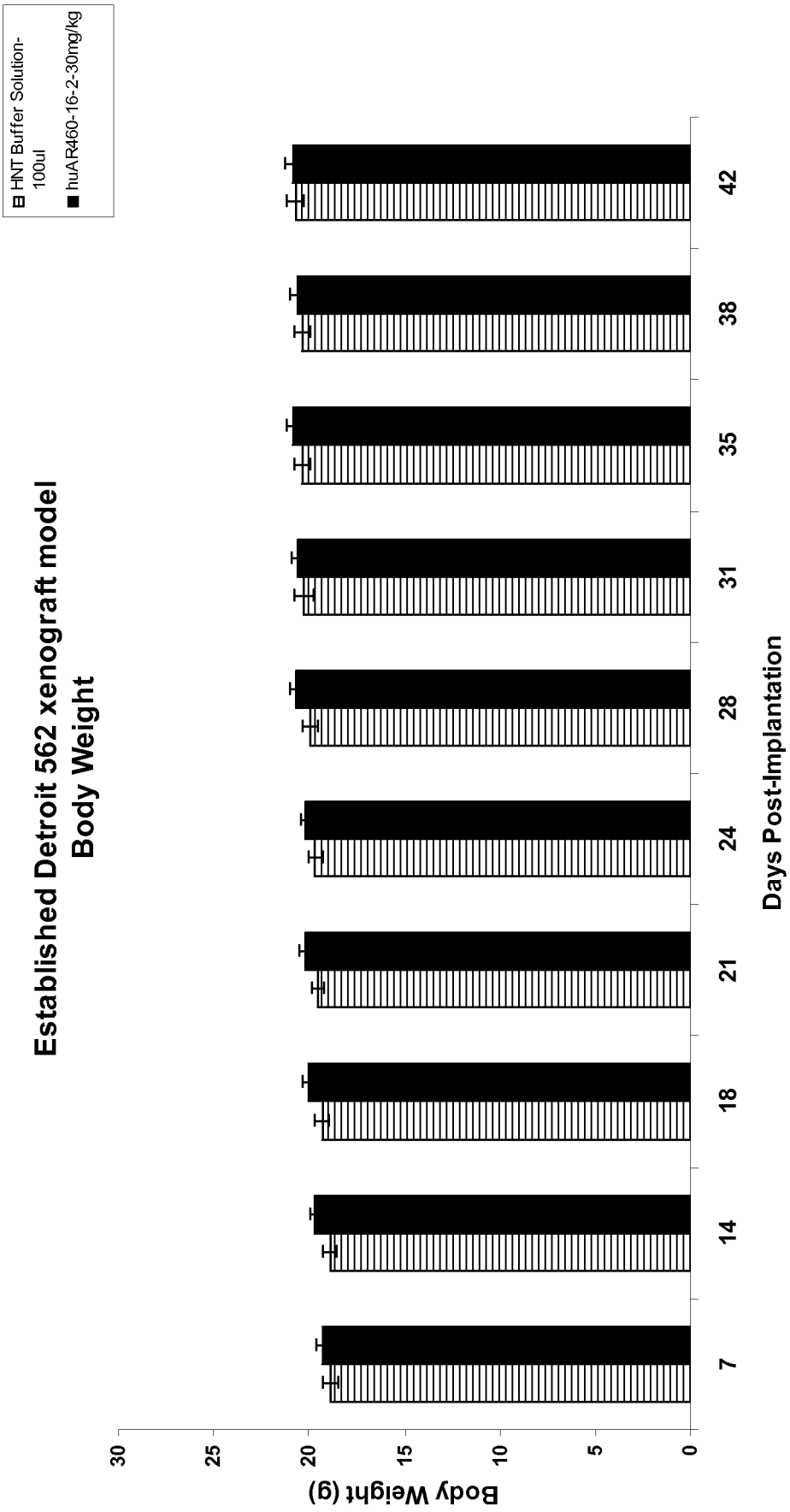

Established Detroit 562 xenograft model
Body Weight
HNT Buffer Solution-100ul
huAR460-16-2-30mg/kg
Body Weight (g)
0
5
10
15
20
25
30
Days Post-Implantation
7
14
18
21
24
28
31
35
38
42

FIGURE 8

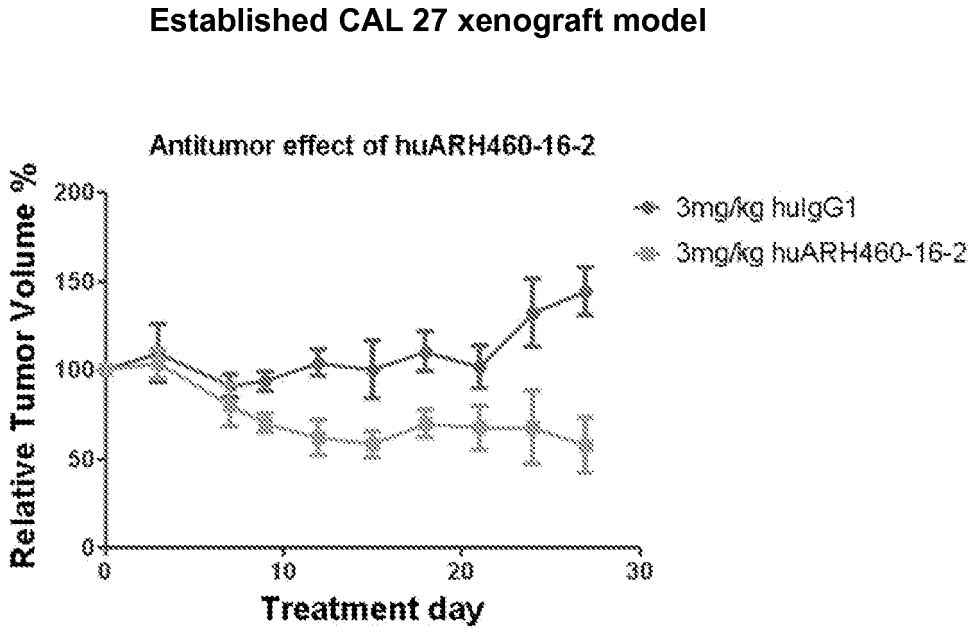

Established CAL 27 xenograft model
Antitumor effect of huARH460-16-2
Relative Tumor Volume %
200
150
100
50
0
0
10
20
30
Treatment day
3mg/kg huIgG1
3mg/kg huARH460-16-2

FIGURE 9

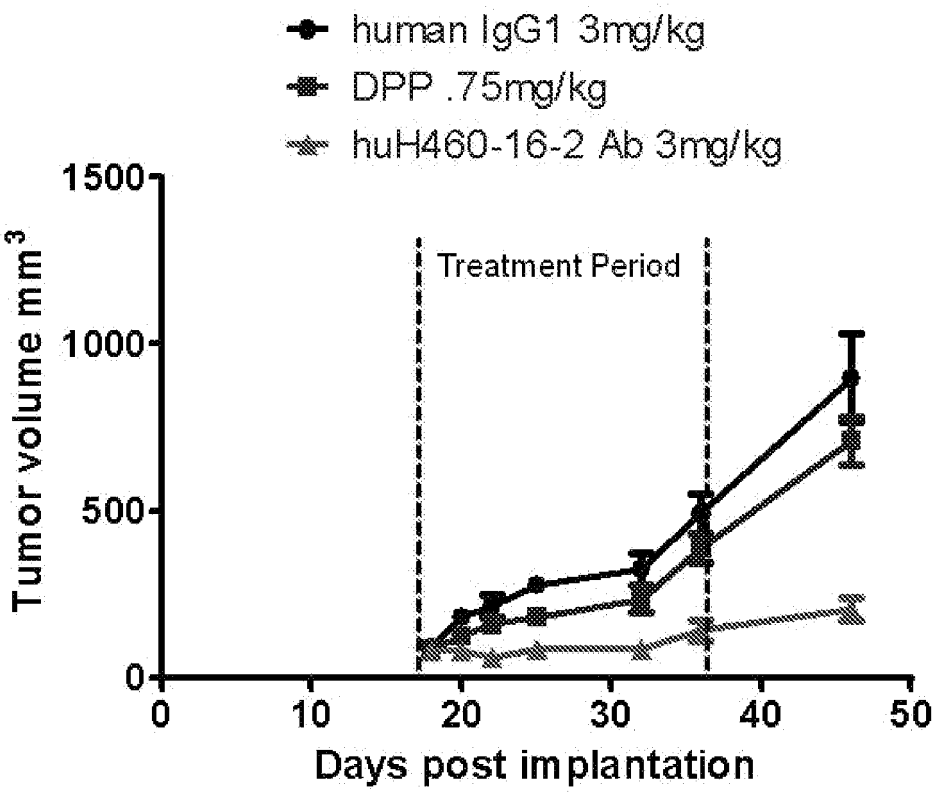
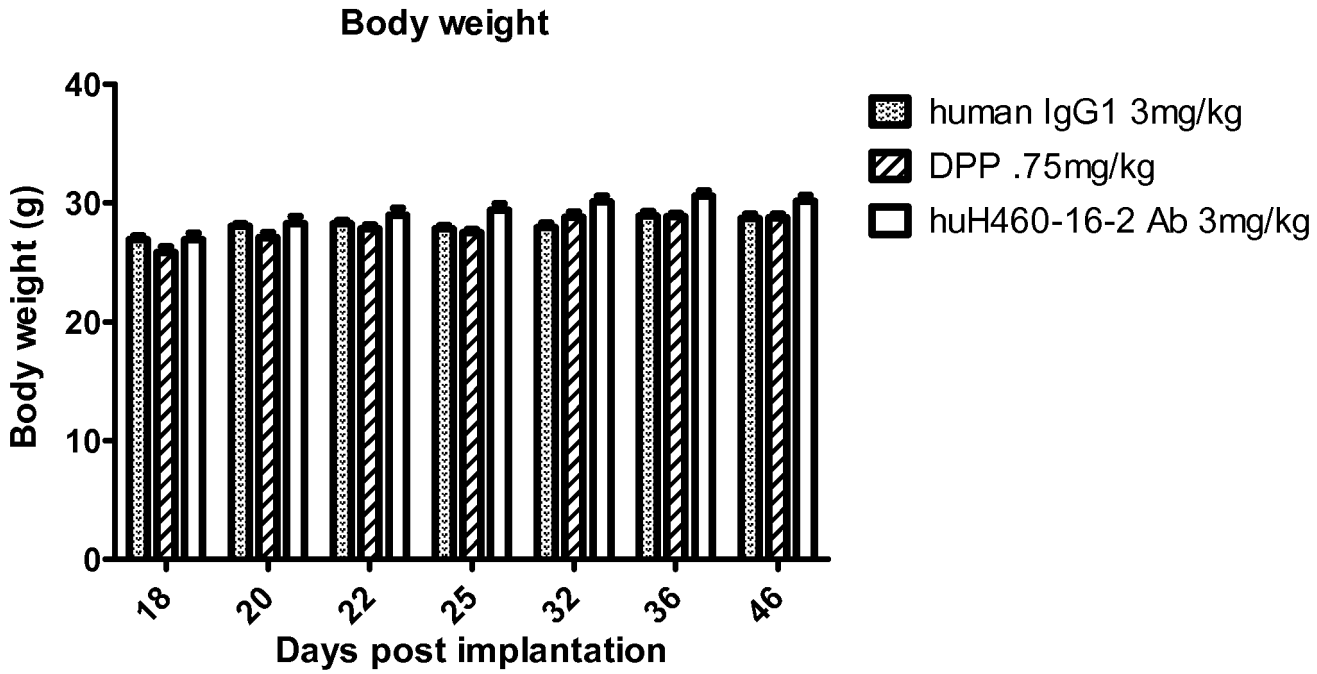
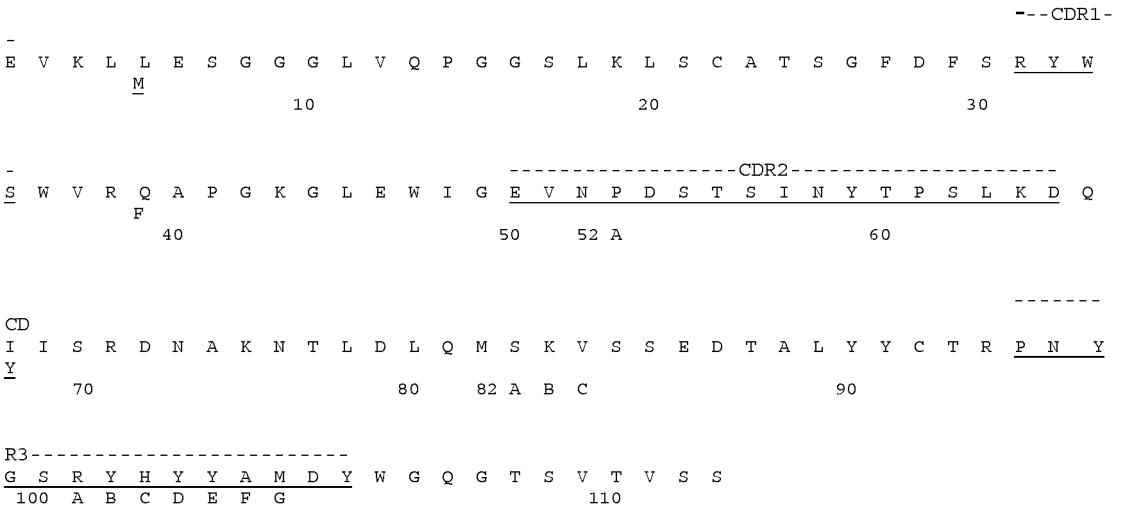

human IgG1 3mg/kg
DPP .75mg/kg
huH460-16-2 Ab 3mg/kg
Treatment Period
Tumor volume mm3
1500
1000
500
0
0
10
20
30
40
50
Days post implantation

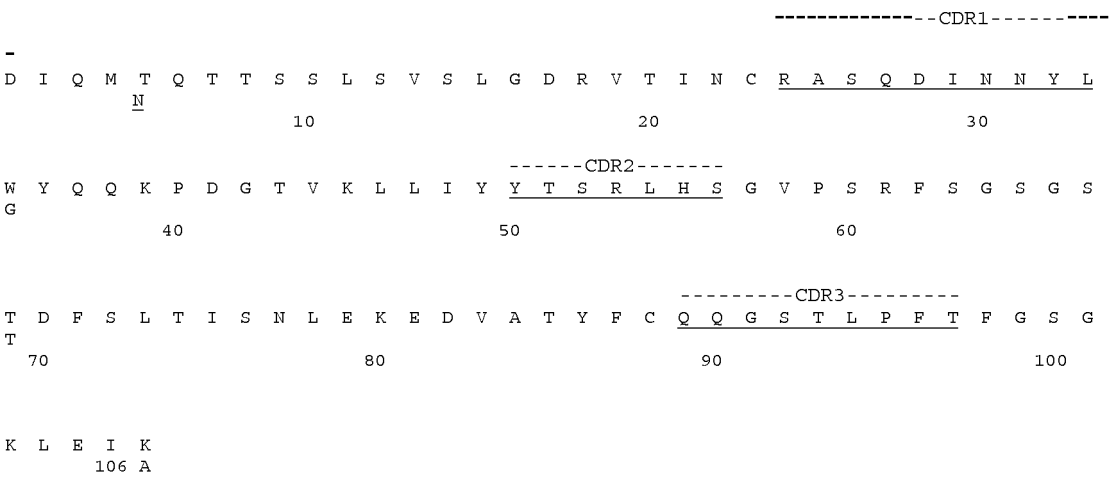
FIGURE 10


Body weight
Body weight (g)
40
30
20
10
0
18
20
22
25
32
36
46
Days post implantation
human IgG1 3mg/kg
DPP .75mg/kg
huH460-16-2 Ab 3mg/kg

# FIGURE 11


---CDR1-
E V K L L E S G G G L V Q P G G S L K L S C A T S G F D F S R Y W
M
10 20 30
----------CDR2----------
S W V R Q A P G K G L E W I G E V N P D S T S I N Y T P S L K D Q
F
40 50 52 A 60
-------
CD
I I S R D N A K N T L D L Q M S K V S S E D T A L Y Y C T R P N Y
Y
70 80 82 A B C 90
R3----------
G S R Y H Y Y A M D Y W G Q G T S V T V S S
100 A B C D E F G 110

# FIGURE 12


----------CDR1----------
-
D I Q M T Q T T S S L S V S L G D R V T I N C R A S Q D I N N Y L
N
10 20 30
------CDR2-------
W Y Q Q K P D G T V K L L I Y Y T S R L H S G V P S R F S G S G S G
40 50 60
---------CDR3---------
T D F S L T I S N L E K E D V A T Y F C Q Q G S T L P F T F G S G T
70 80 90 100
K L E I K
106 A

# FIGURE 13

Heavy Chain HV1:

```
                                                                                                                    ----CDR1--
E  V  Q  L  V  E  S  G  G  G  L  V  Q  P  G  G  S  L  R  L  S  C  A  A  S  G  F  D  F  S  R  Y  W  M
                  10                          20                          30

-                                                   ----------------------CDR2----------------------
S  W  V  R  Q  A  P  G  K  G  L  V  W  V  G  E  V  N  P  D  S  T  S  I  N  Y  T  P  S  L  K  D  R  F
            40                                50     52 A                       60

                                                                                                       -------CD-
T  I  S  R  D  N  A  K  N  T  L  Y  L  Q  M  N  S  L  R  A  E  D  T  A  V  Y  Y  C  T  R  P  N  Y  Y
      70                          80     82 A  B  C                       90

R3-----------------------------
G  S  R  Y  H  Y  Y  A  M  D  Y  W  G  Q  G  T  L  V  T  V  S  S
 100  A  B  C  D  E  F  G                    110
```

Heavy Chain HV2:

```
                                                                                                                    -----CDR1--
E  V  Q  L  V  E  S  G  G  G  L  V  Q  P  G  G  S  L  R  L  S  C  A  T  S  G  F  D  F  S  R  Y  W  M
                  10                          20                          30

-                                                   ----------------------CDR2----------------------
S  W  V  R  Q  A  P  G  K  G  L  V  W  I  G  E  V  N  P  D  S  T  S  I  N  Y  T  P  S  L  K  D  Q  F
            40                                50     52 A                       60

                                                                                                       --------CD
T  I  S  R  D  N  A  K  N  T  L  Y  L  Q  M  N  S  L  R  A  E  D  T  A  V  Y  Y  C  T  R  P  N  Y  Y
      70                          80     82 A  B  C                       90

R3-----------------------------
G  S  R  Y  H  Y  Y  A  M  D  Y  W  G  Q  G  T  L  V  T  V  S  S
 100  A  B  C  D  E  F  G                    110
```

## FIGURE 14

Light Chain KV1:

