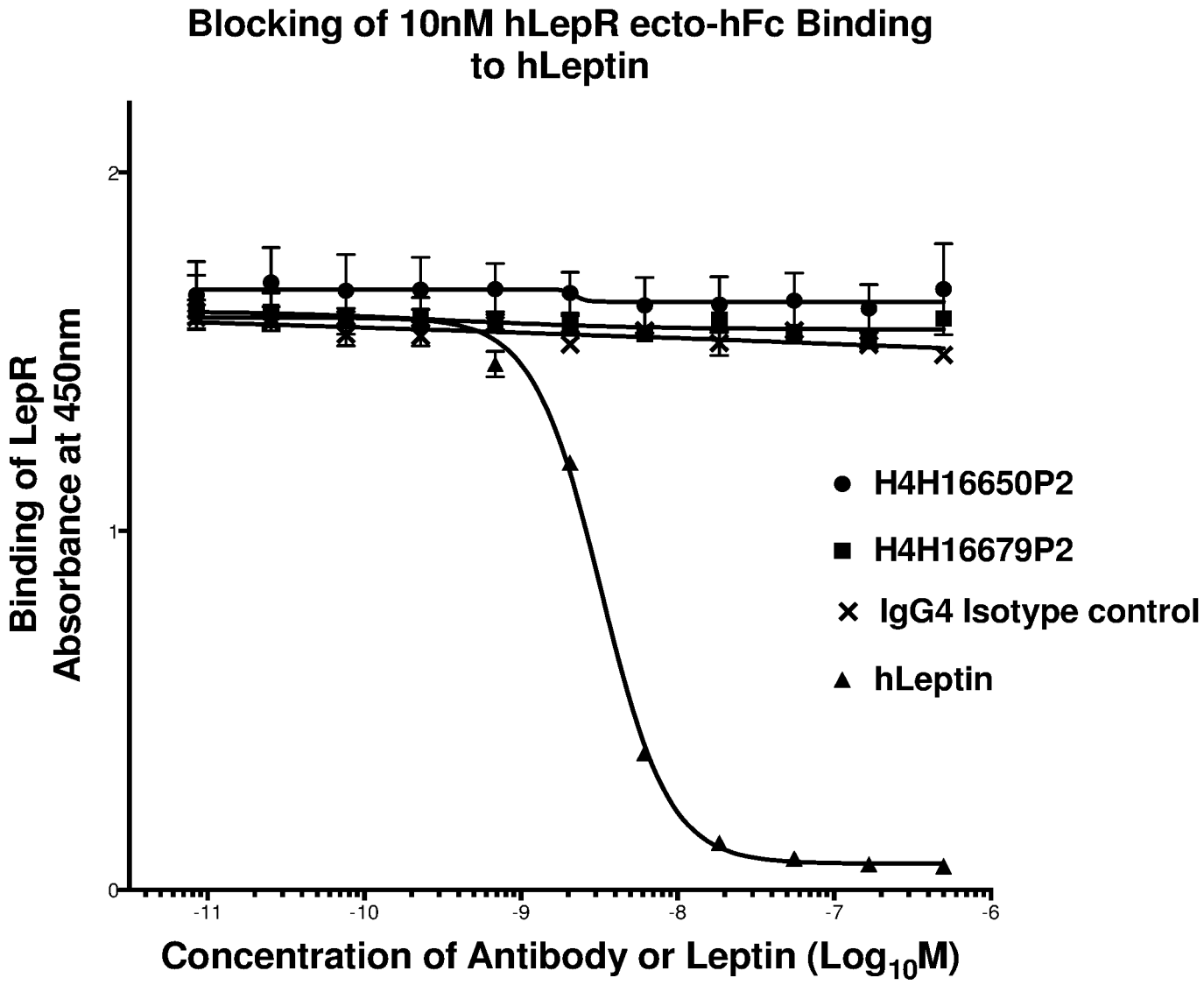

Blocking of 10nM hLepR ecto-hFc Binding to hLeptin
Binding of LepR Absorbance at 450nm
2
1
0
-11
-10
-9
-8
-7
-6
Concentration of Antibody or Leptin (Log10M)
H4H16650P2
H4H16679P2
IgG4 Isotype control
hLeptin

FIG. 1

FIG. 2A

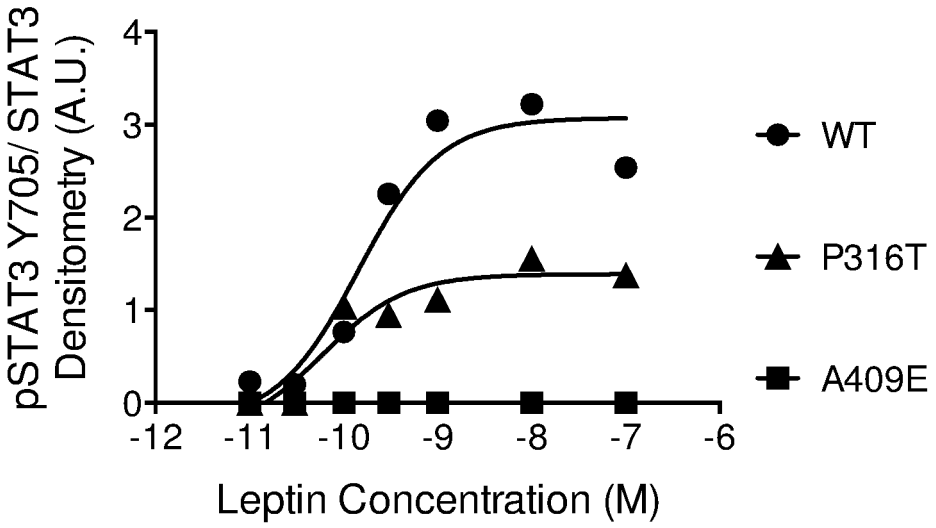


FIG. 2B

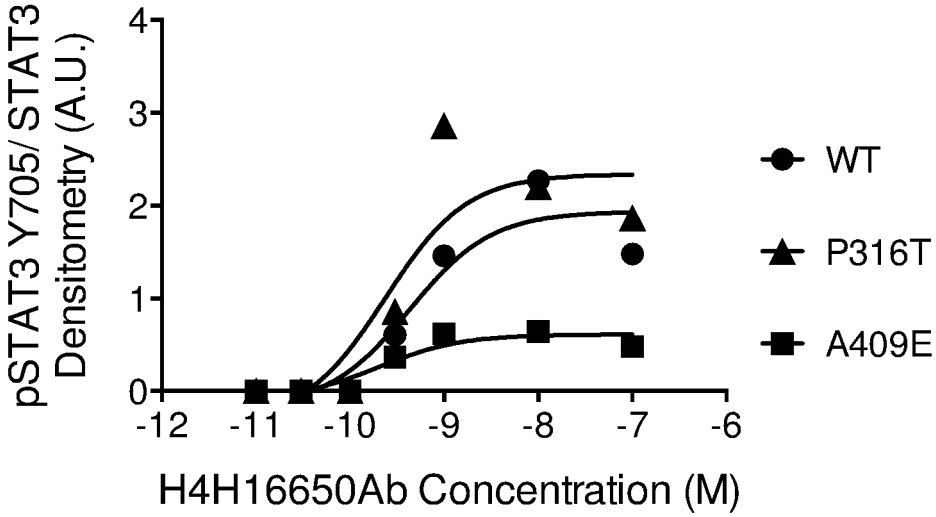
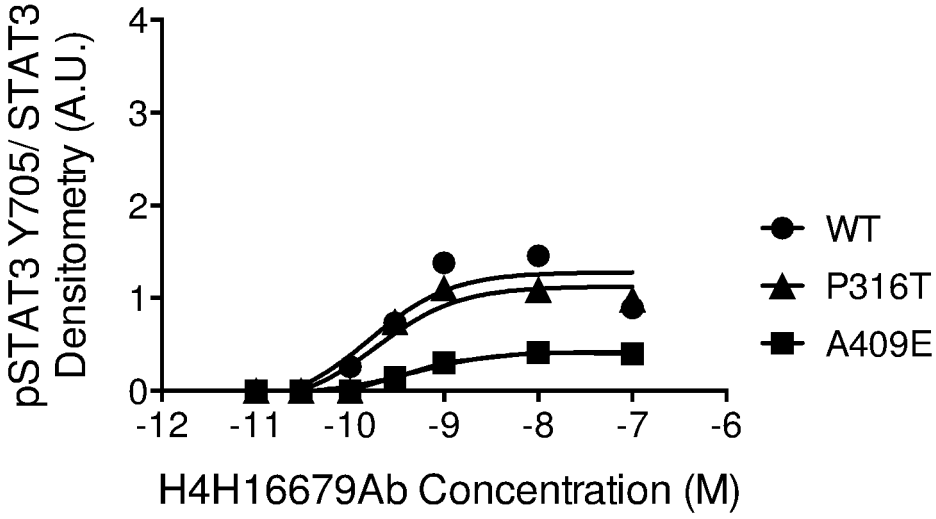


FIG. 2C



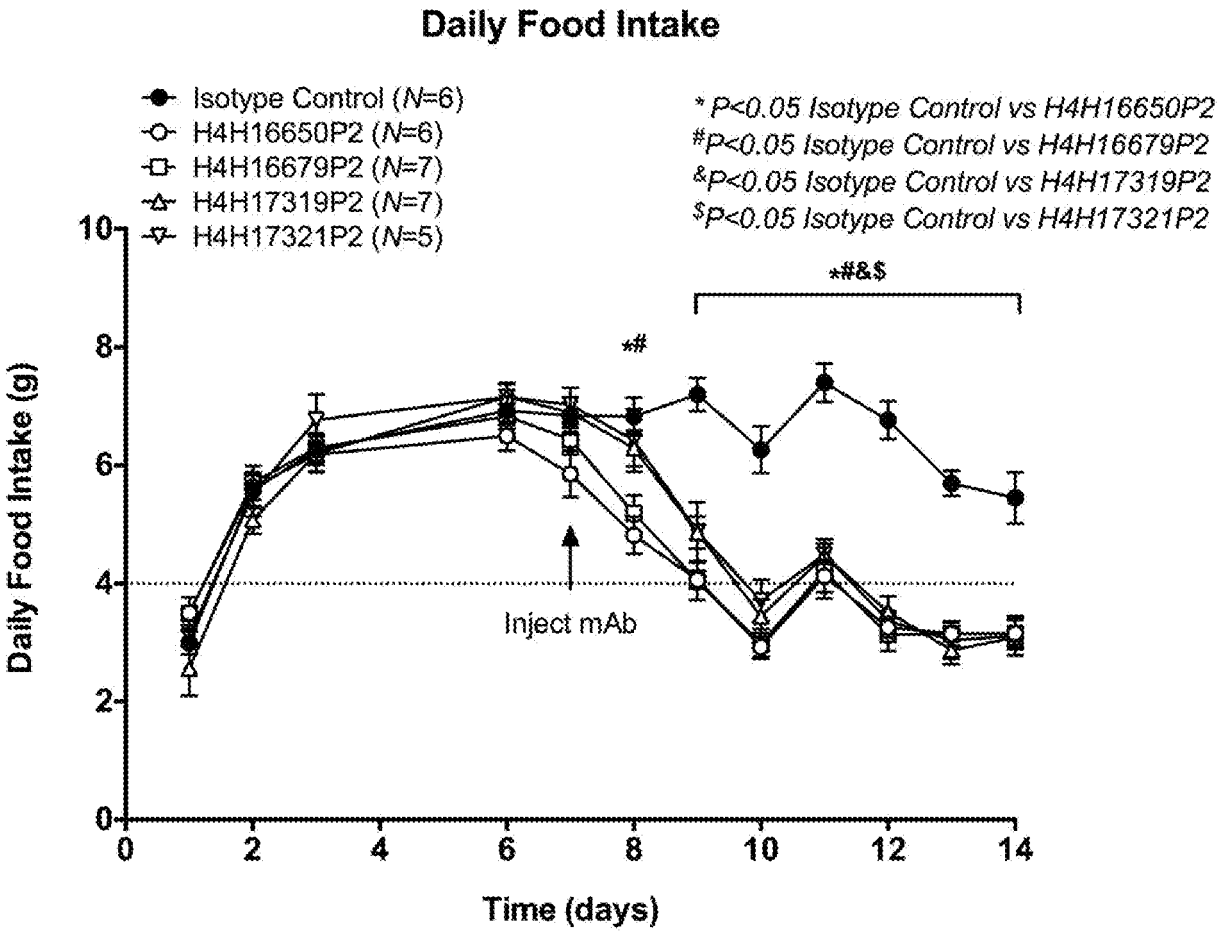

Daily Food Intake
Isotype Control (N=6)
H4H16650P2 (N=6)
H4H16679P2 (N=7)
H4H17319P2 (N=7)
H4H17321P2 (N=5)
* P<0.05 Isotype Control vs H4H16650P2
#P<0.05 Isotype Control vs H4H16679P2
&P<0.05 Isotype Control vs H4H17319P2
$P<0.05 Isotype Control vs H4H17321P2
*#&$
*#
Inject mAb
Daily Food Intake (g)
Time (days)
0
2
4
6
8
10
12
14

FIG. 3

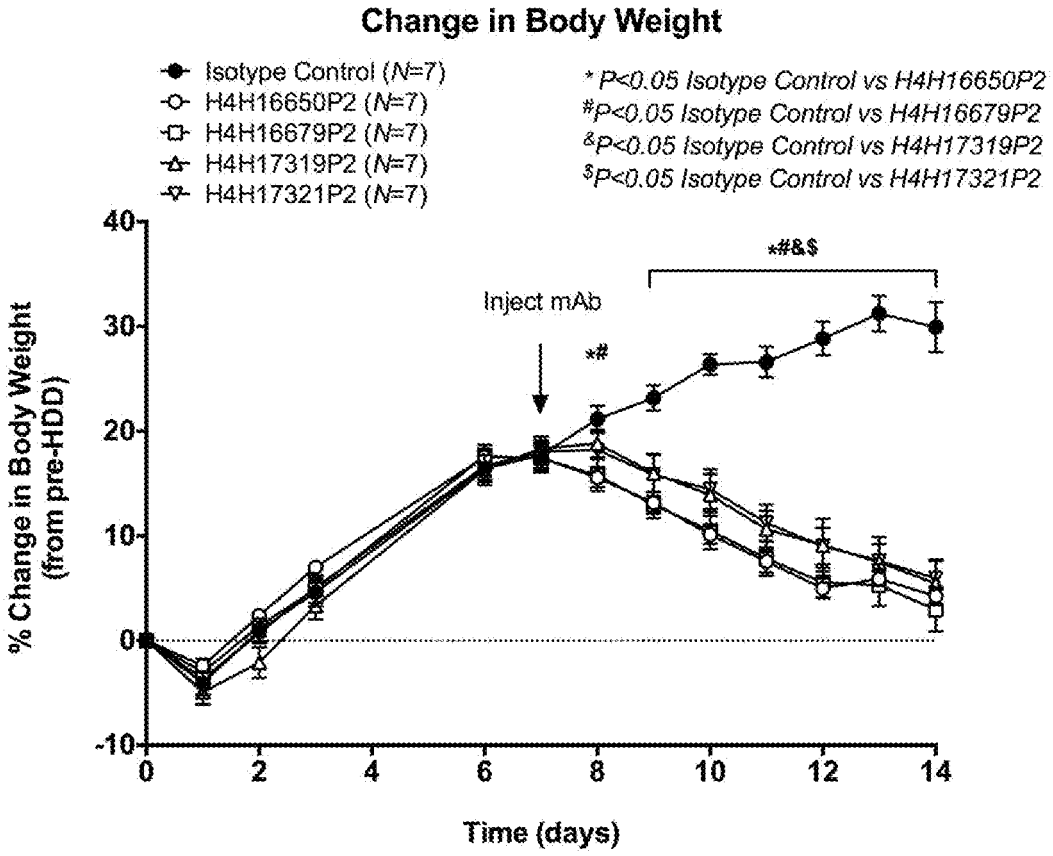

Change in Body Weight
Isotype Control (N=7)
H4H16650P2 (N=7)
H4H16679P2 (N=7)
H4H17319P2 (N=7)
H4H17321P2 (N=7)
* P<0.05 Isotype Control vs H4H16650P2
#P<0.05 Isotype Control vs H4H16679P2
&P<0.05 Isotype Control vs H4H17319P2
$P<0.05 Isotype Control vs H4H17321P2
*#&$
Inject mAb
*#
% Change in Body Weight (from pre-HDD)
40
30
20
10
0
-10
0
2
4
6
8
10
12
14
Time (days)

FIG. 4

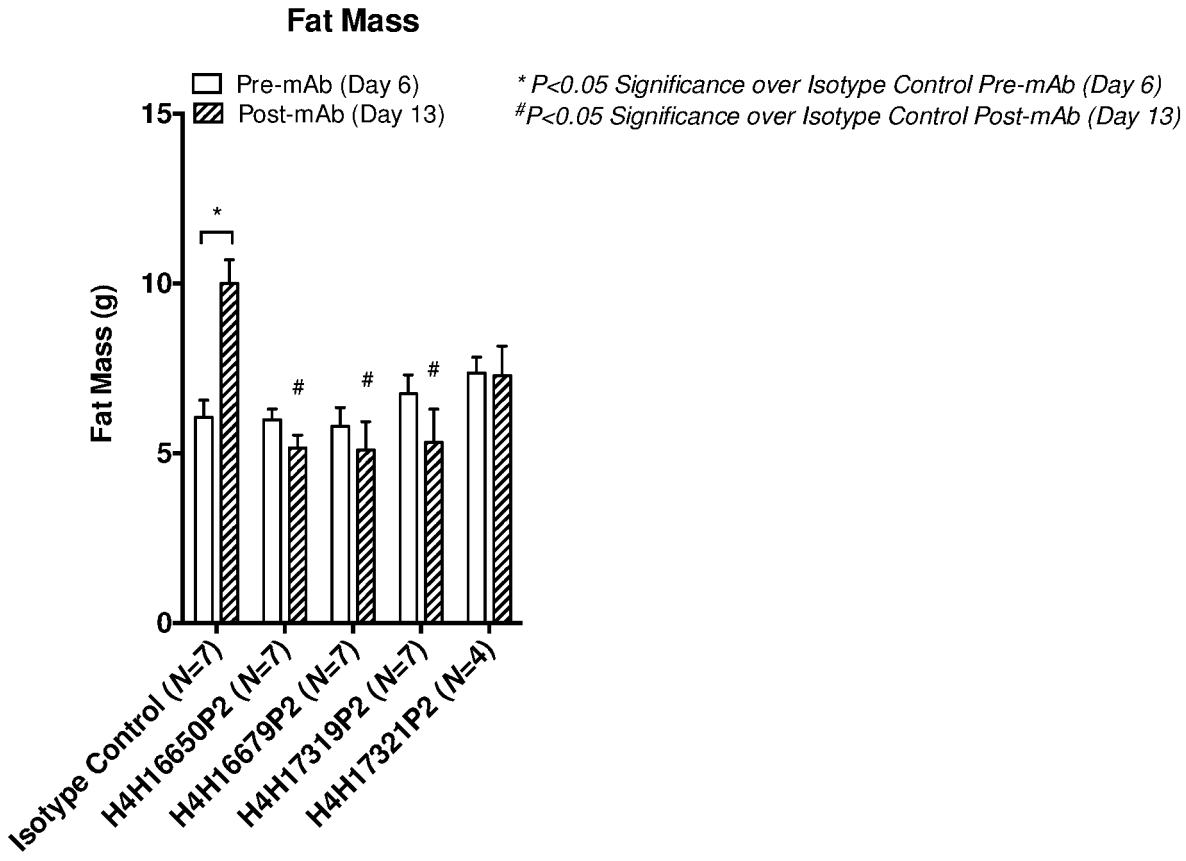
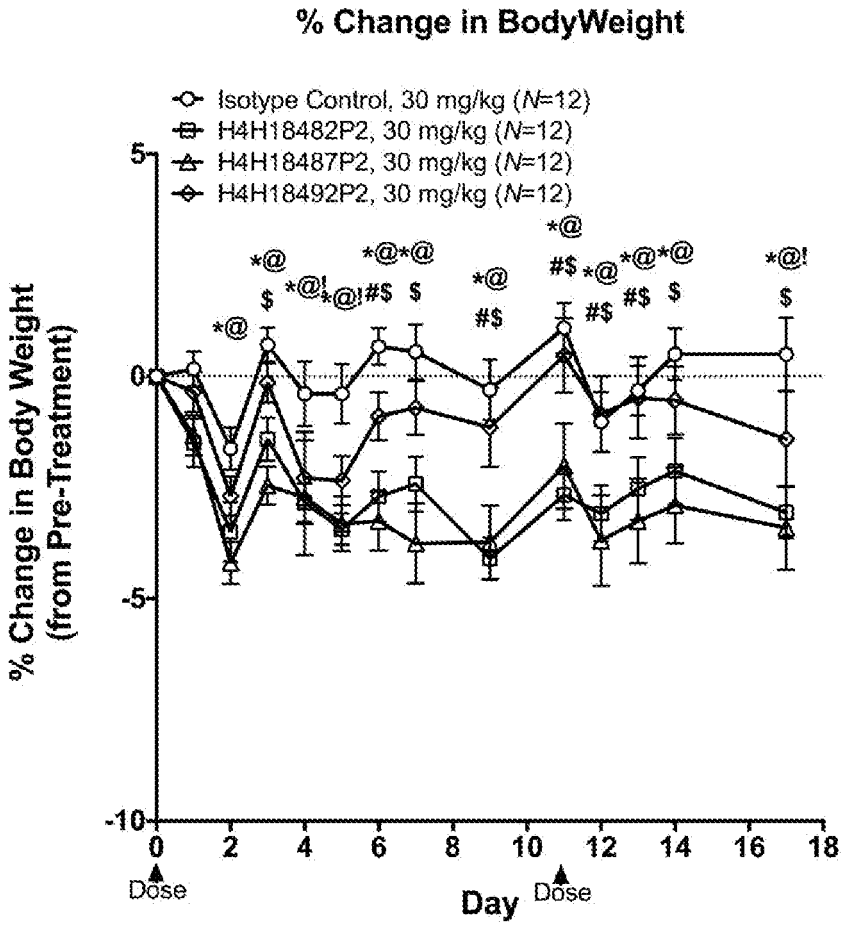

Fat Mass
Pre-mAb (Day 6)
Post-mAb (Day 13)
* P<0.05 Significance over Isotype Control Pre-mAb (Day 6)
#P<0.05 Significance over Isotype Control Post-mAb (Day 13)
Fat Mass (g)
15
10
5
0
*
#
#
#
Isotype Control (N=7)
H4H16650P2 (N=7)
H4H16679P2 (N=7)
H4H17319P2 (N=7)
H4H17321P2 (N=4)

FIG. 5



*$P<0.05$, Isotype Control vs H4H18482P2
@$P<0.05$, Isotype Control vs H4H18487P2
!$P<0.05$, Isotype Control vs H4H18492P2
#$P<0.05$, H4H18492P2 vs H4H18482P2
$$P<0.05$, H4H18492P2 vs H4H18487P2

FIG. 6

FIG. 7A

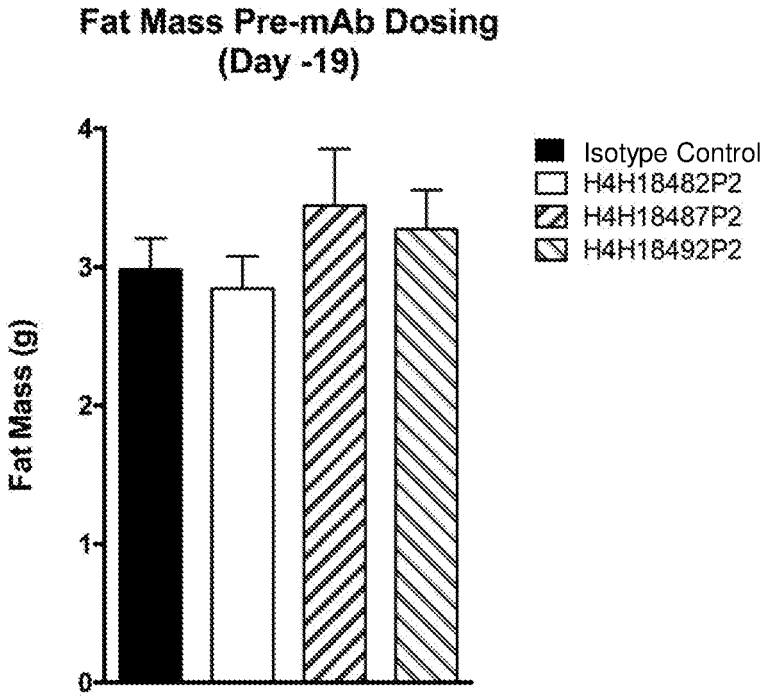
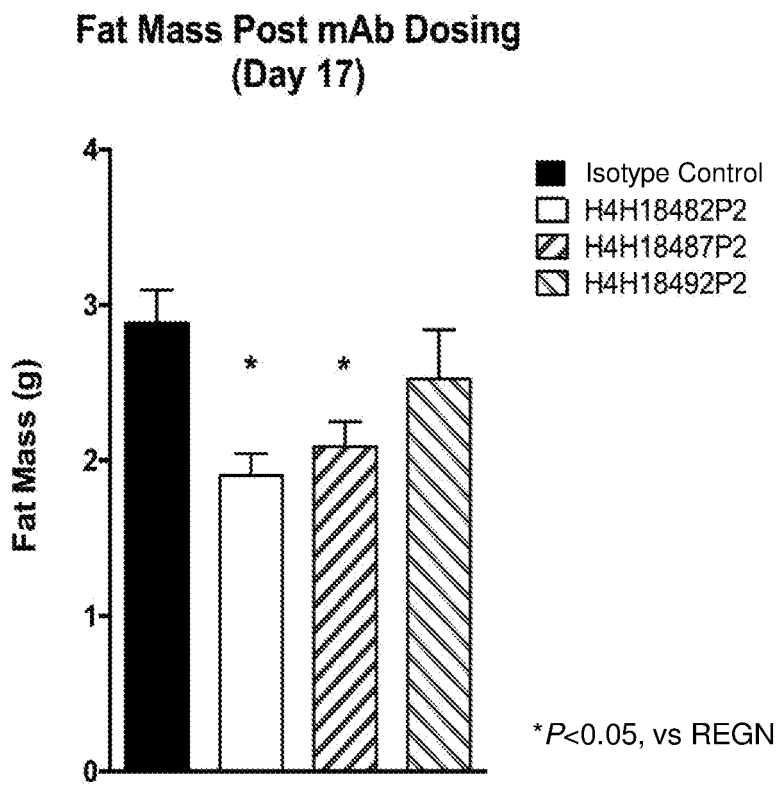


FIG. 7B



*P<0.05, vs REGN1945

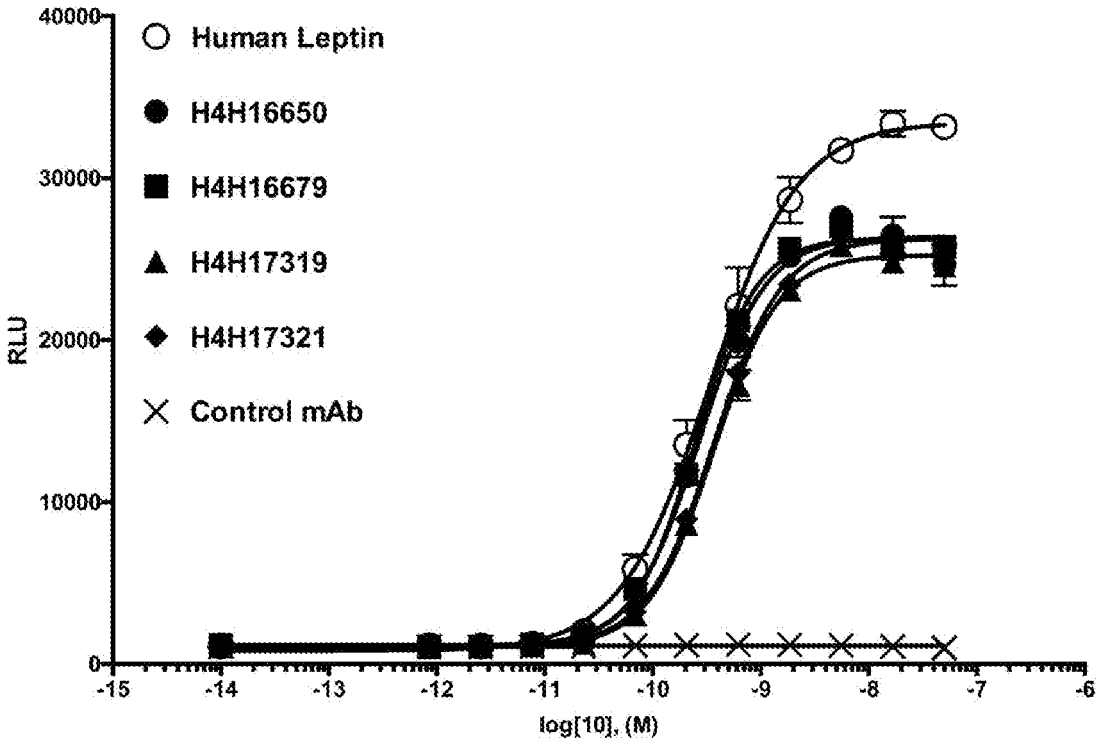

40000
30000
20000
10000
0
RLU
Human Leptin
H4H16650
H4H16679
H4H17319
H4H17321
Control mAb
-15
-14
-13
-12
-11
-10
-9
-8
-7
-6
log[10], (M)

FIG. 8