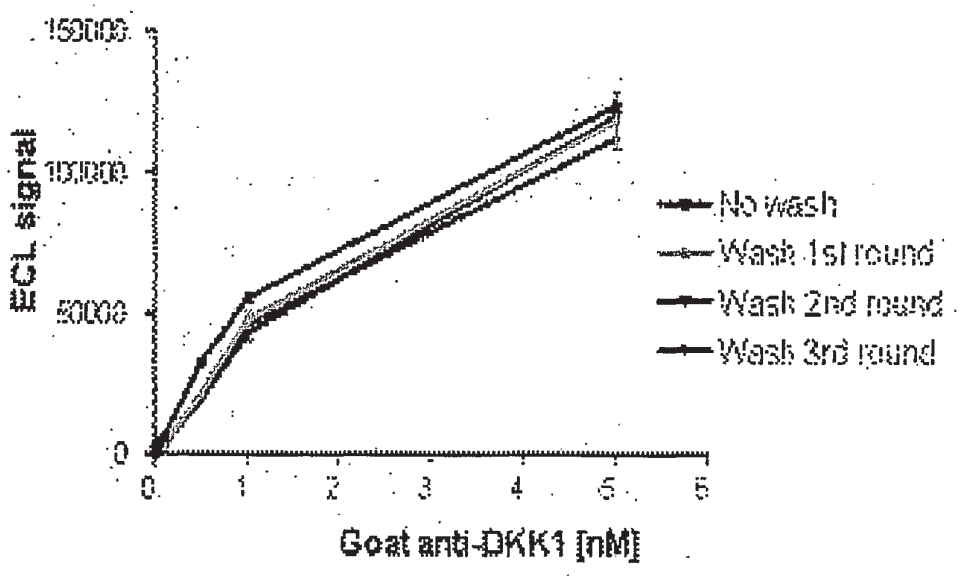

ECL signal
150000
100000
50000
0
0
1
2
3
4
5
6
Goat anti-DKK1 [nM]
No wash
Wash 1st round
Wash 2nd round
Wash 3rd round

FIG. 1

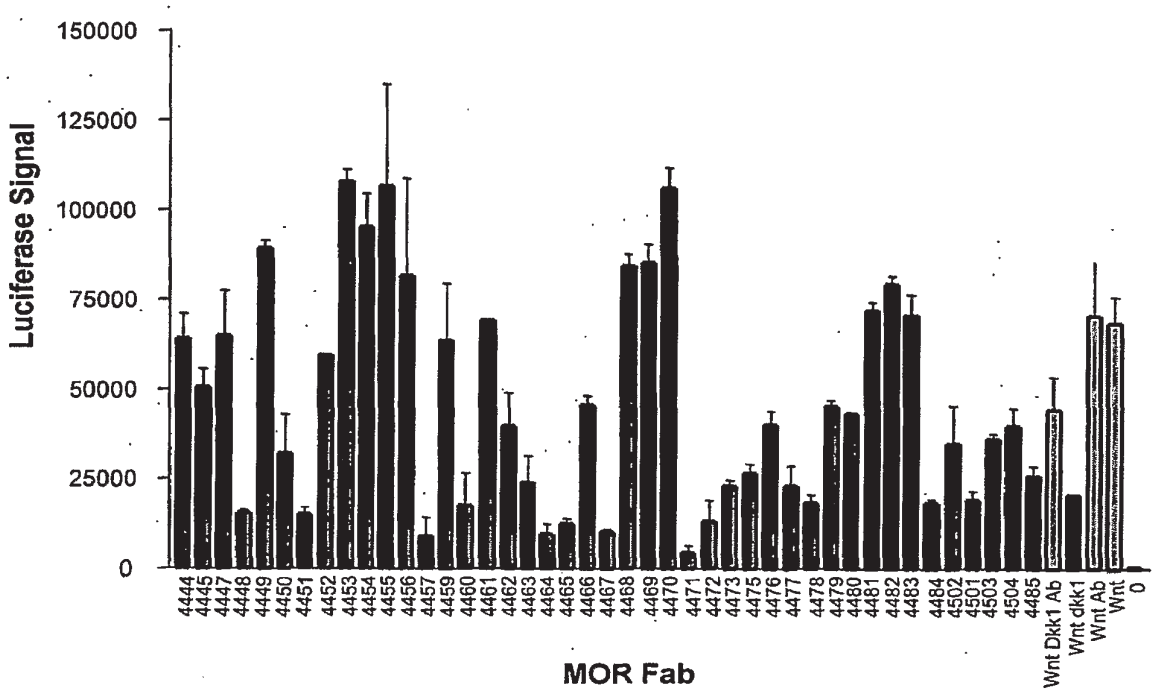

Luciferase Signal
150000
125000
100000
75000
50000
25000
0
4444
4445
4447
4448
4449
4450
4451
4452
4453
4454
4455
4456
4457
4459
4460
4461
4462
4463
4464
4465
4466
4467
4468
4469
4470
4471
4472
4473
4475
4476
4477
4478
4479
4480
4481
4482
4483
4484
4502
4501
4503
4504
4485
Wnt Dkk1 Ab
Wnt dkk1
Wnt Ab
Wnt
0
MOR Fab

FIG. 2

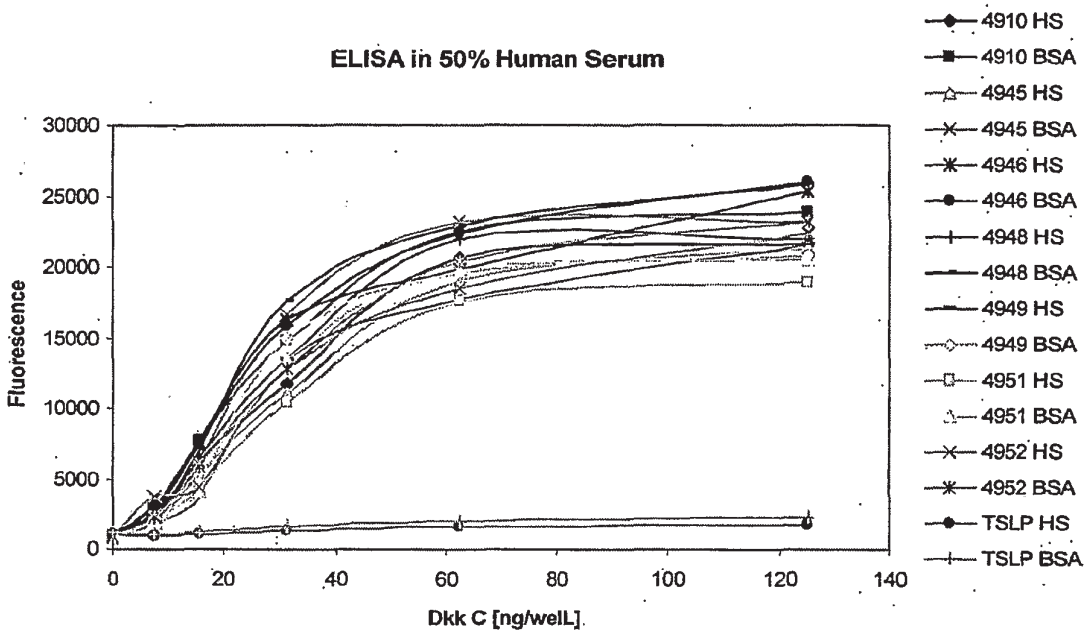

ELISA in 50% Human Serum
Fluorescence
Dkk C [ng/welL]
0
5000
10000
15000
20000
25000
30000
0
20
40
60
80
100
120
140
4910 HS
4910 BSA
4945 HS
4945 BSA
4946 HS
4946 BSA
4948 HS
4948 BSA
4949 HS
4949 BSA
4951 HS
4951 BSA
4952 HS
4952 BSA
TSLP HS
TSLP BSA

FIG. 3

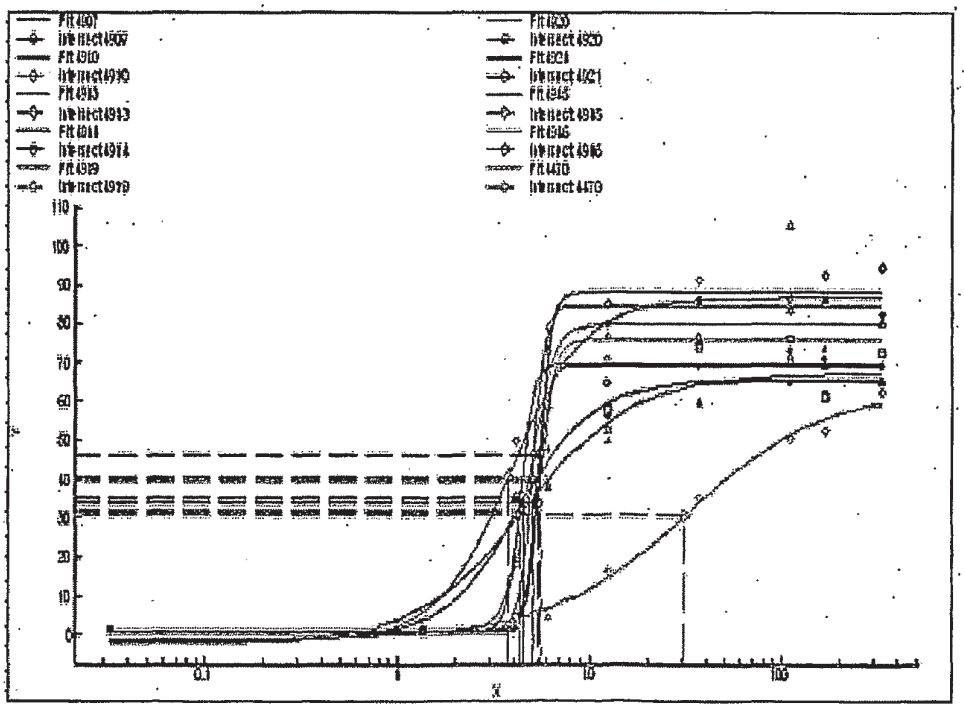


FIG. 4

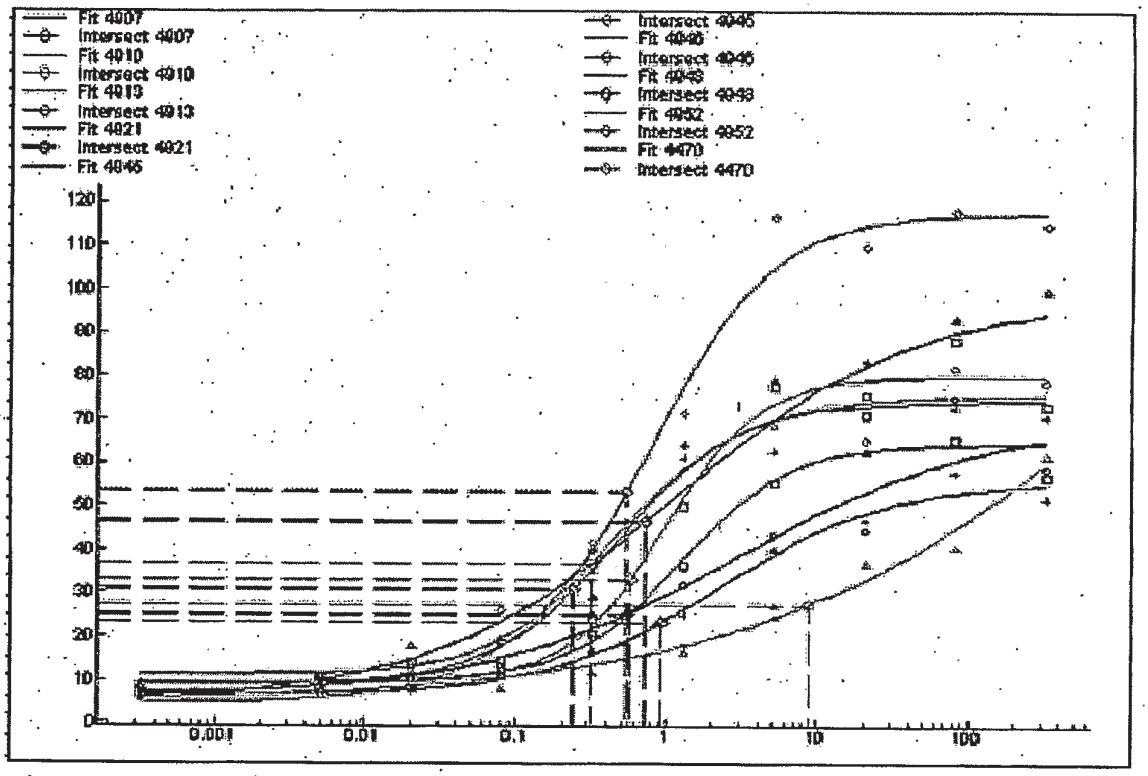
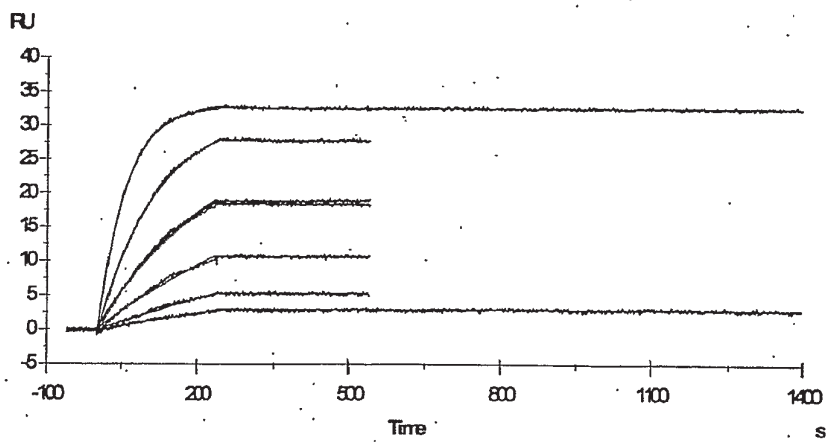


FIG. 5



K_a (1/Ms)	K_d (1/s)	K_D (M)
4.6×10^6 (±0.4)	9.0×10^{-6} (±2.6)	2.0×10^{-12} (±0.7)

FIG. 6A, 6B

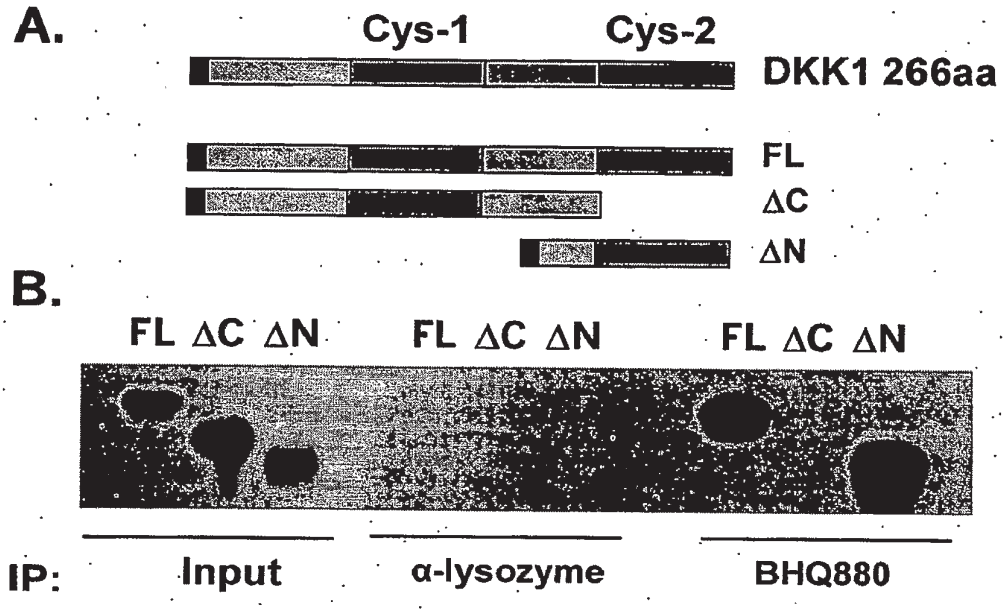

A.
Cys-1
Cys-2
DKK1 266aa
FL
ΔC
ΔN
B.
FL ΔC ΔN
FL ΔC ΔN
FL ΔC ΔN
IP:
Input
α-lysozyme
BHQ880

FIG. 7

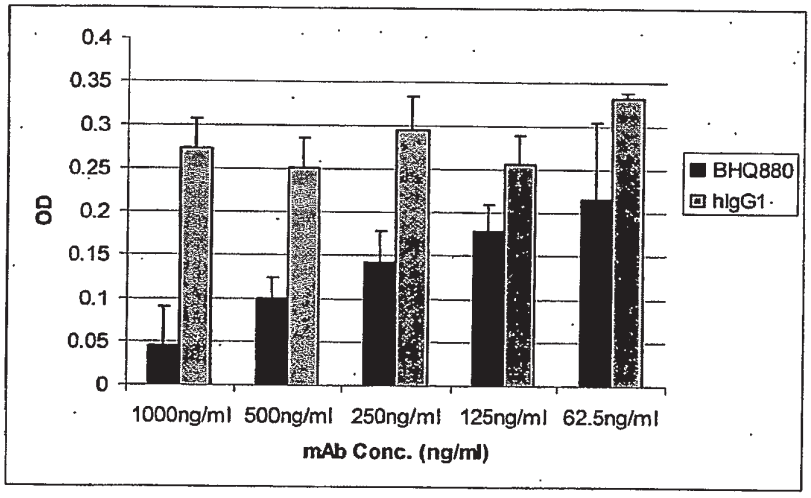

0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
OD
BHQ880
hIgG1
1000ng/ml
500ng/ml
250ng/ml
125ng/ml
62.5ng/ml
mAb Conc. (ng/ml)

FIG. 8

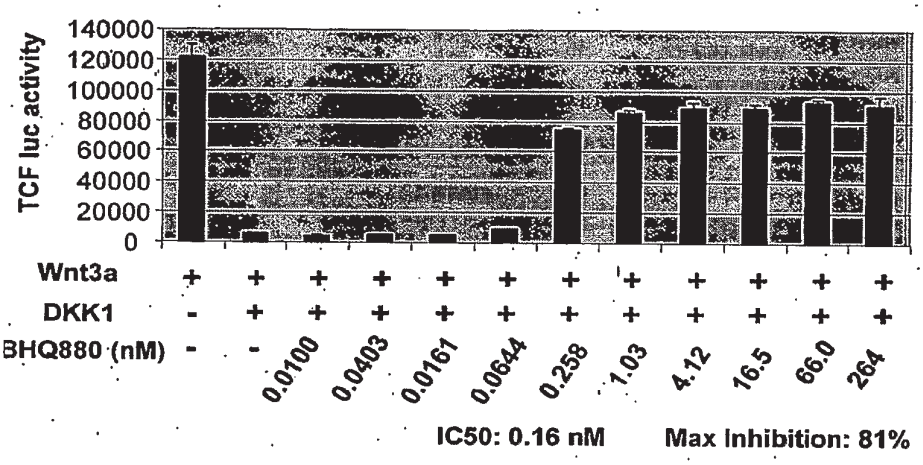

TCF luc activity
140000
120000
100000
80000
60000
40000
20000
0
Wnt3a + + + + + + + + + + + +
DKK1 - + + + + + + + + + + +
BHQ880 (nM) - - 0.0100 0.0403 0.0161 0.0644 0.258 1.03 4.12 16.5 66.0 264
IC50: 0.16 nM
Max Inhibition: 81%

FIG. 9

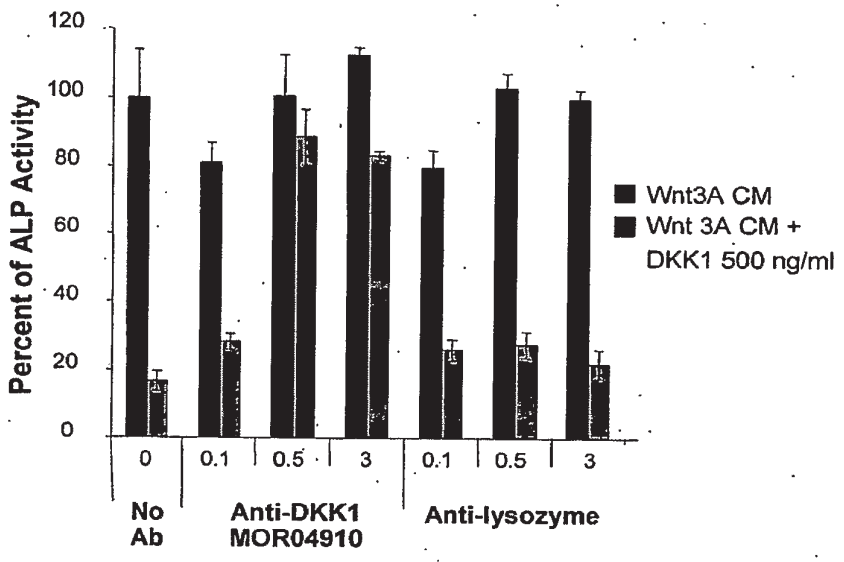

Percent of ALP Activity
120
100
80
60
40
20
0
0 0.1 0.5 3 0.1 0.5 3
No Ab
Anti-DKK1 MOR04910
Anti-lysozyme
Wnt3A CM
Wnt 3A CM + DKK1 500 ng/ml

FIG. 10

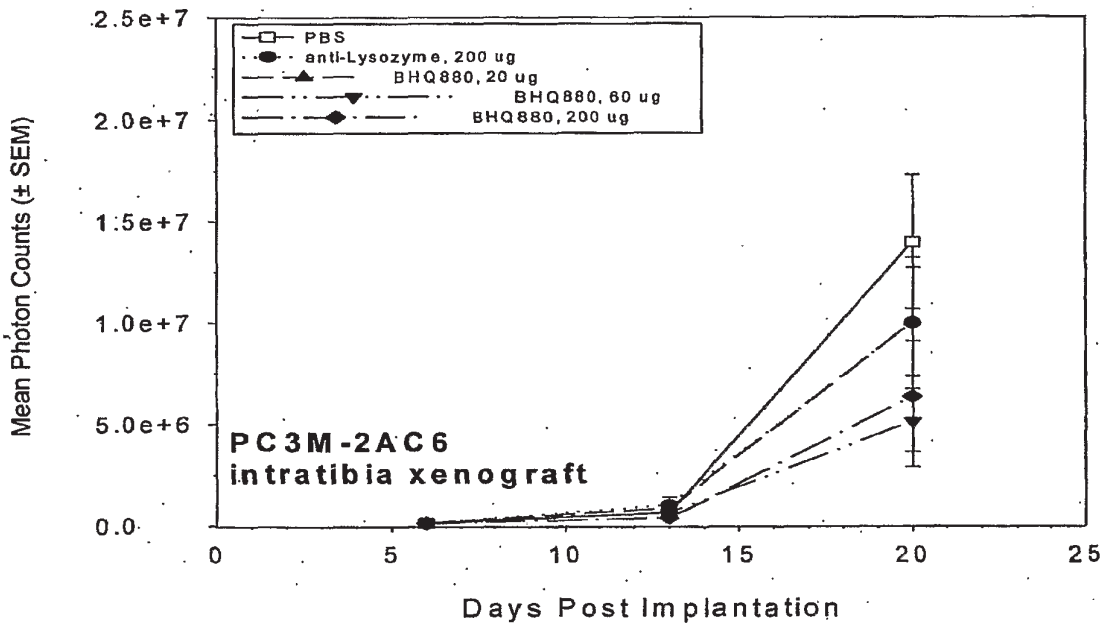

2.5e+7
2.0e+7
1.5e+7
1.0e+7
5.0e+6
0.0
Mean Photon Counts (± SEM)
PBS
anti-Lysozyme, 200 ug
BHQ880, 20 ug
BHQ880, 60 ug
BHQ880, 200 ug
PC3M-2AC6
intratibia xenograft
0
5
10
15
20
25
Days Post Implantation

FIG. 11

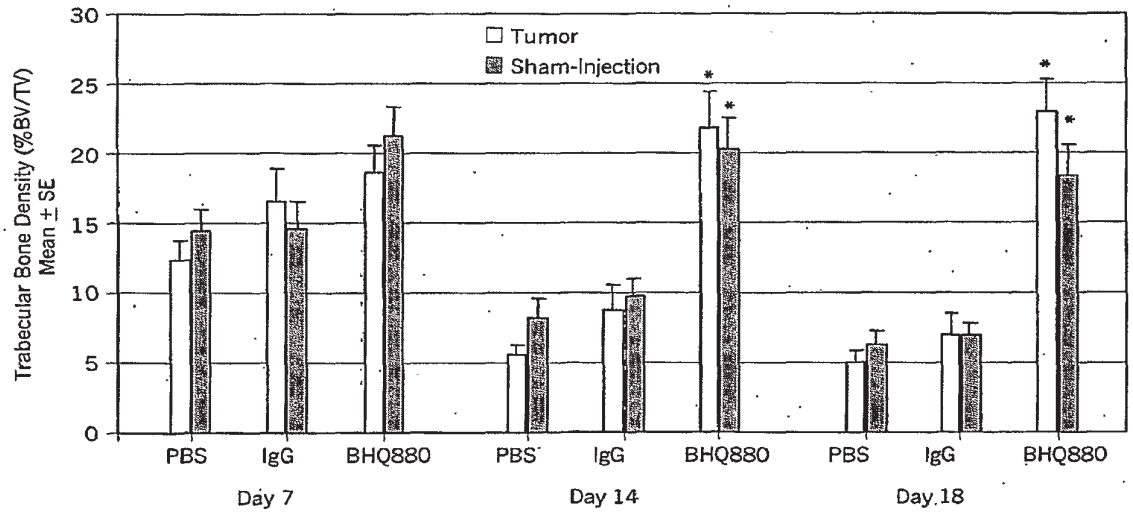

30
25
20
15
10
5
0
Trabecular Bone Density (%BV/TV)
Mean ± SE
Tumor
Sham-Injection
*
PBS
IgG
BHQ880
PBS
IgG
BHQ880
PBS
IgG
BHQ880
Day 7
Day 14
Day 18

FIG. 12

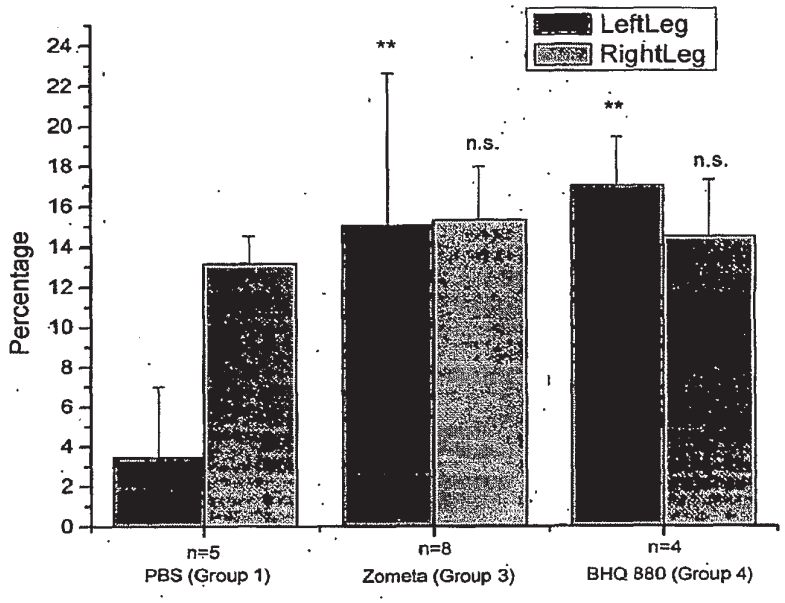

LeftLeg
RightLeg
Percentage
24
22
20
18
16
14
12
10
8
6
4
2
0
**
n.s.
**
n.s.
n=5
PBS (Group 1)
n=8
Zometa (Group 3)
n=4
BHQ 880 (Group 4)

FIG. 13

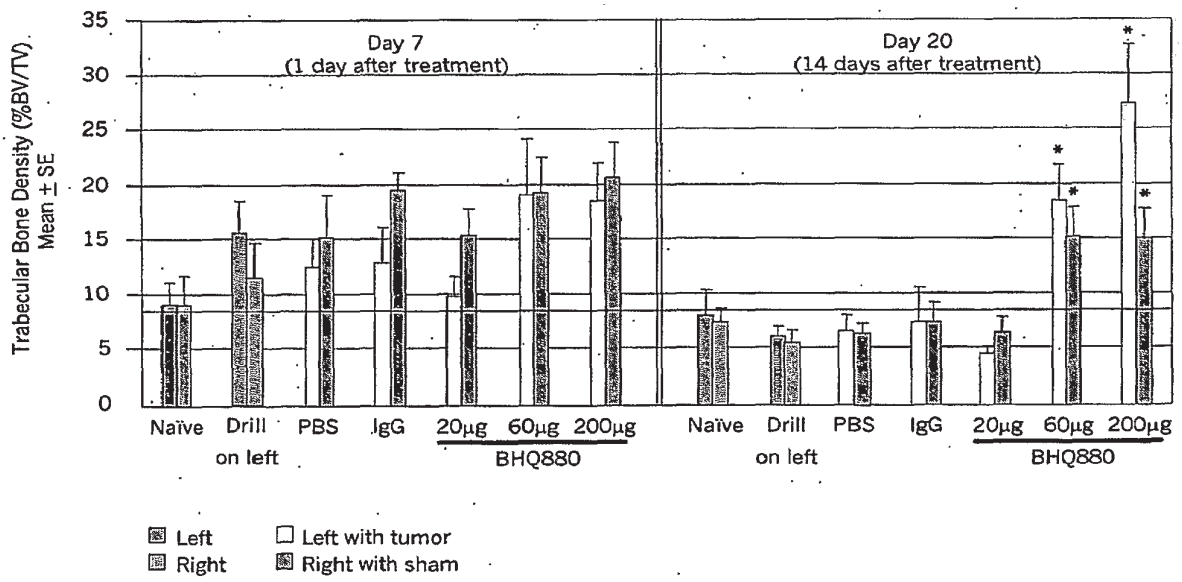

Trabecular Bone Density (%BV/TV)
Mean ± SE
35
30
25
20
15
10
5
0
Day 7
(1 day after treatment)
Day 20
(14 days after treatment)
Naïve
Drill on left
PBS
IgG
20μg
60μg
200μg
BHQ880
Left
Right
Left with tumor
Right with sham

FIG. 14