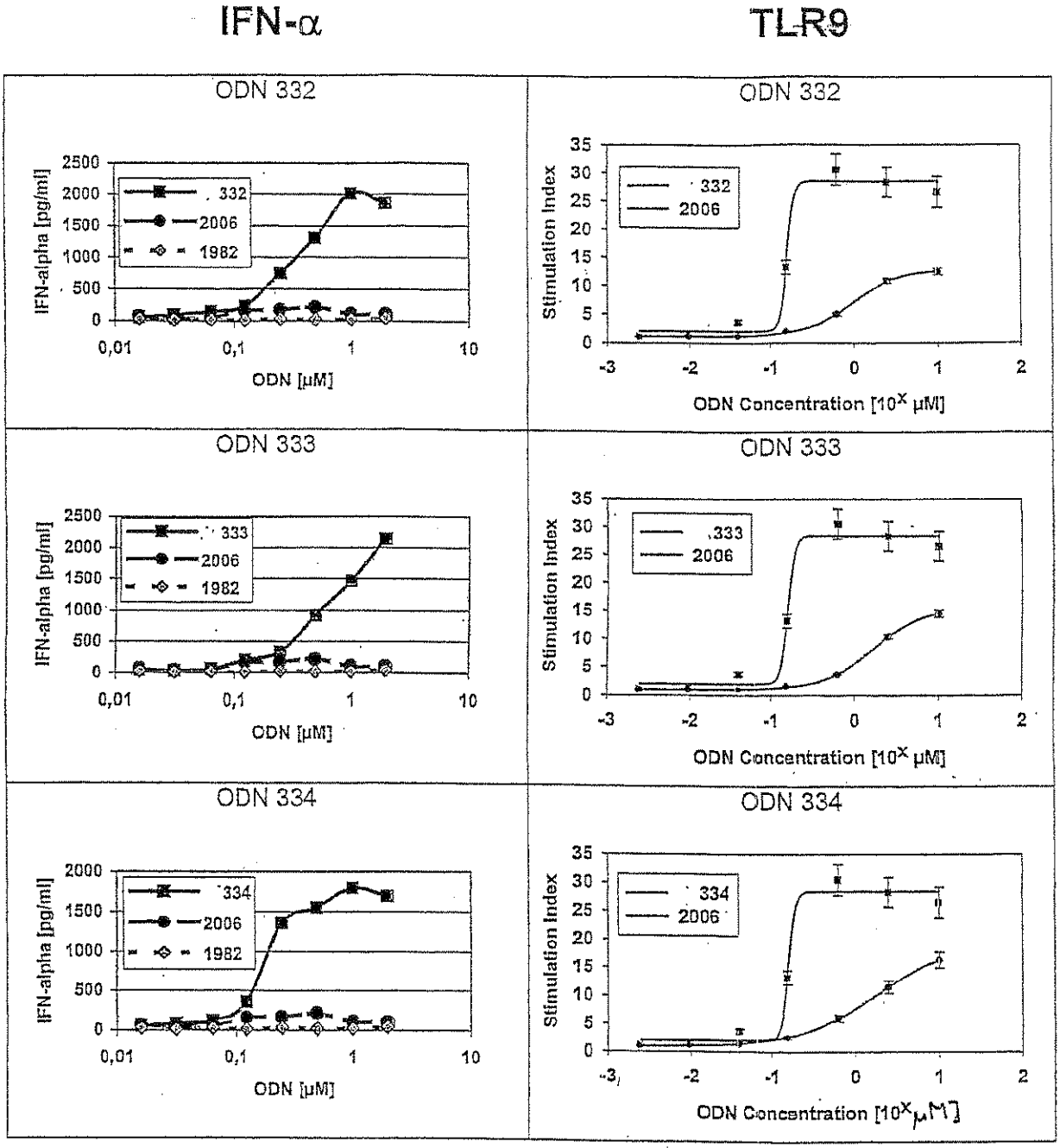

IFN-α
TLR9
ODN 332
IFN-alpha [pg/ml]
2500
2000
1500
1000
500
0
332
2006
1982
0,01
0,1
1
10
ODN [µM]
ODN 332
Stimulation Index
35
30
25
20
15
10
5
0
332
2006
-3
-2
-1
0
1
2
ODN Concentration [10X µM]
ODN 333
IFN-alpha [pg/ml]
333
2006
1982
ODN [µM]
ODN 333
Stimulation Index
333
2006
ODN Concentration [10X µM]
ODN 334
IFN-alpha [pg/ml]
334
2006
1982
ODN [µM]
ODN 334
Stimulation Index
334
2006
ODN Concentration [10X µM]

FIG. 1

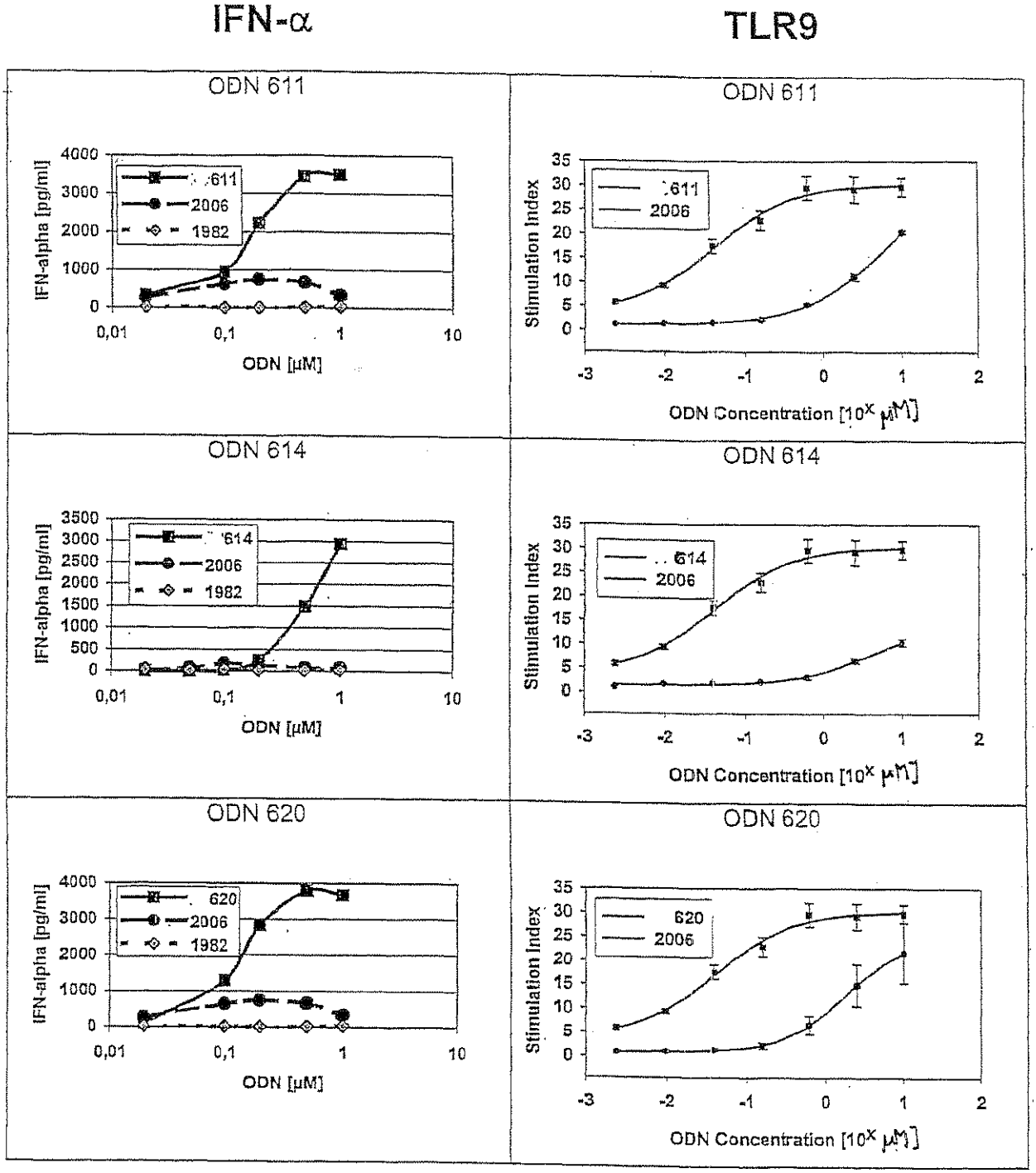

IFN-α
TLR9
ODN 611
IFN-alpha [pg/ml]
4000
3000
2000
1000
0
611
2006
1982
0,01
0,1
1
10
ODN [µM]
ODN 611
Stimulation Index
35
30
25
20
15
10
5
0
611
2006
-3
-2
-1
0
1
2
ODN Concentration [10^x µM]
ODN 614
IFN-alpha [pg/ml]
3500
3000
2500
2000
1500
1000
500
0
614
2006
1982
0,01
0,1
1
10
ODN [µM]
ODN 614
Stimulation Index
35
30
25
20
15
10
5
0
614
2006
-3
-2
-1
0
1
2
ODN Concentration [10^x µM]
ODN 620
IFN-alpha [pg/ml]
4000
3000
2000
1000
0
620
2006
1982
0,01
0,1
1
10
ODN [µM]
ODN 620
Stimulation Index
35
30
25
20
15
10
5
0
620
2006
-3
-2
-1
0
1
2
ODN Concentration [10^x µM]

FIG. 2

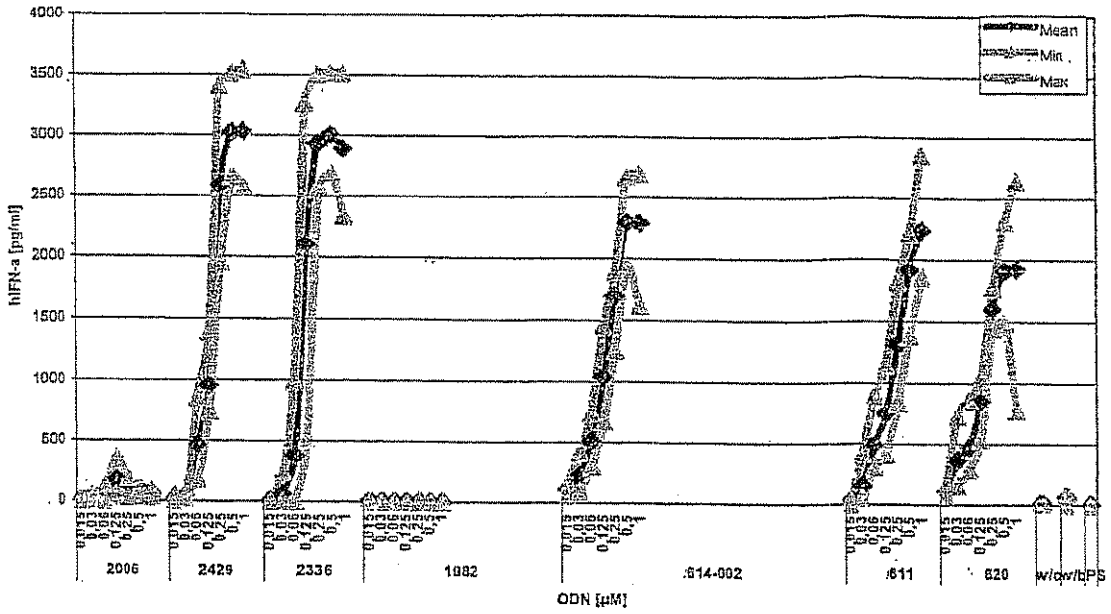

4000
3500
3000
2500
2000
1500
1000
500
0
hIFN-a [pg/ml]
Mean
Min
Max
2006
2429
2336
1982
614-002
611
620
w/o
w/bPS
ODN [µM]

FIG. 3

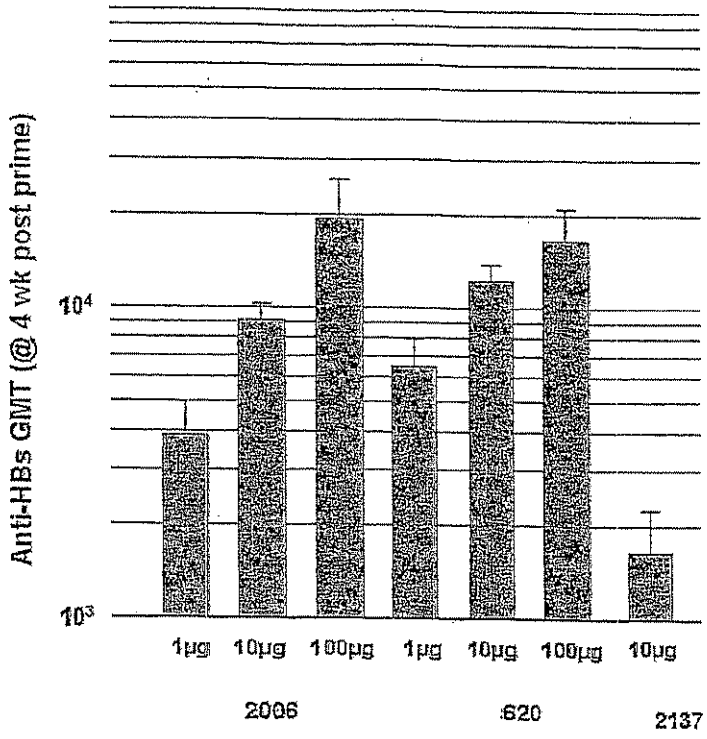

Anti-HBs GMT (@ 4 wk post prime)
10⁴
10³
1µg
10µg
100µg
1µg
10µg
100µg
10µg
2006
620
2137

FIG. 4

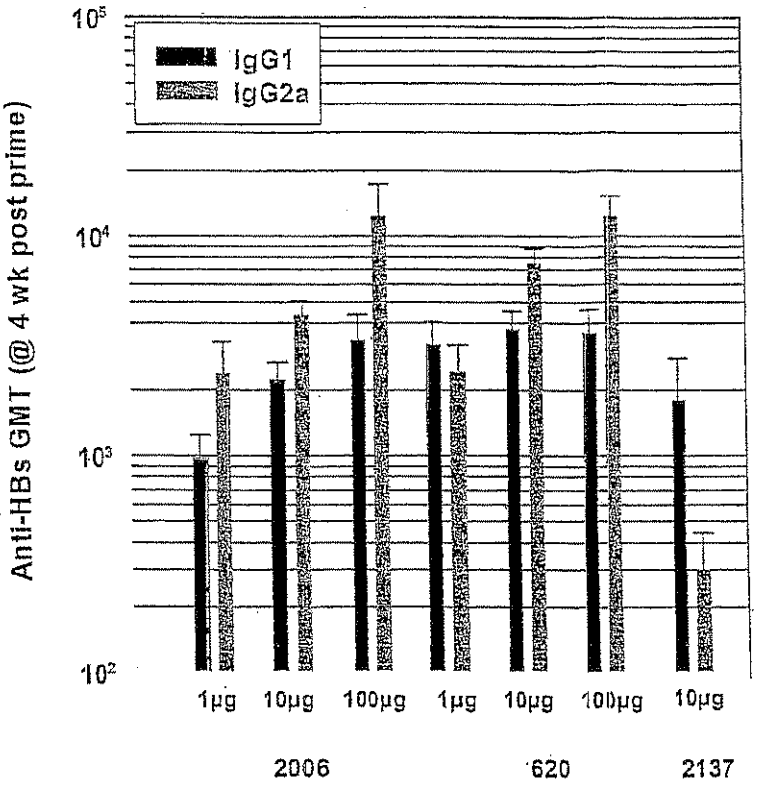

Anti-HBs GMT (@ 4 wk post prime)
10^5
10^4
10^3
10^2
IgG1
IgG2a
1μg
10μg
100μg
1μg
10μg
100μg
10μg
2006
620
2137

FIG. 5

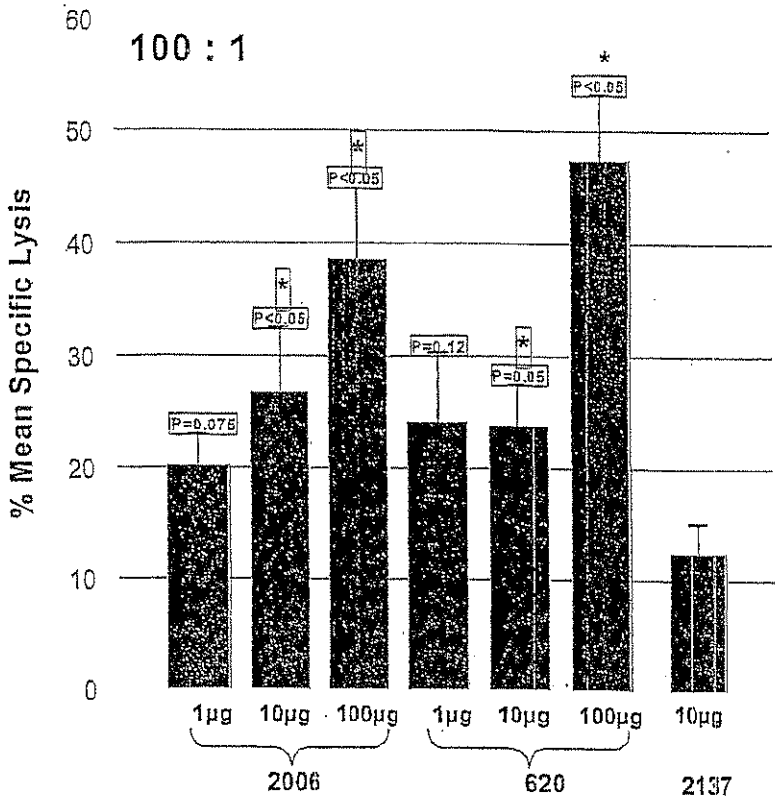

100 : 1
% Mean Specific Lysis
60
50
40
30
20
10
0
P=0.075
P<0.05
P<0.05
P=0.12
P=0.05
P<0.05
1µg
10µg
100µg
1µg
10µg
100µg
10µg
2006
620
2137

FIG. 6

FIG. 7A

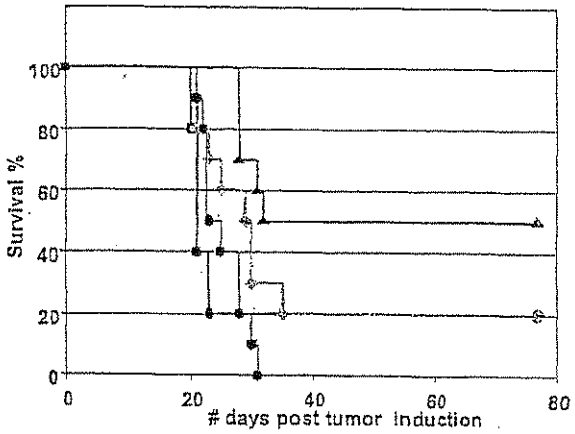
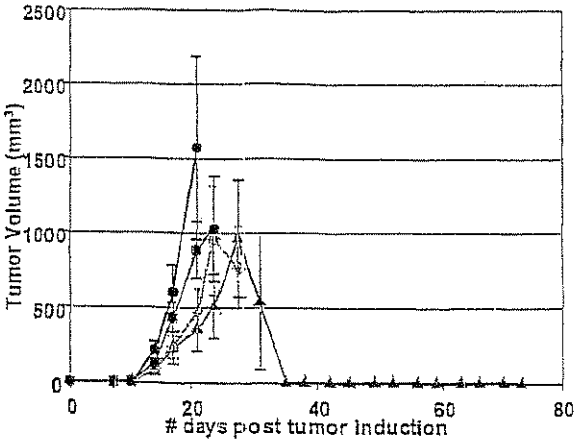

Survival %
100
80
60
40
20
0
0
20
40
60
80
days post tumor induction

FIG. 7B


Tumor Volume (mm³)
2500
2000
1500
1000
500
0
0
20
40
60
80
days post tumor induction
PBS
100ug
100ug 2006
100ug 2137

SEQUENCE LISTING

<110> Coley Pharmaceutical GmbH
Coley Pharmaceutical Group, Inc.

<120> C-CLASS OLIGONUCLEOTIDE ANALOGS WITH ENHANCED IMMUNOSTIMULATORY POTENCY

<130> C1041.70034WO00

<150> US 60/516,913
<151> 2003-10-30

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