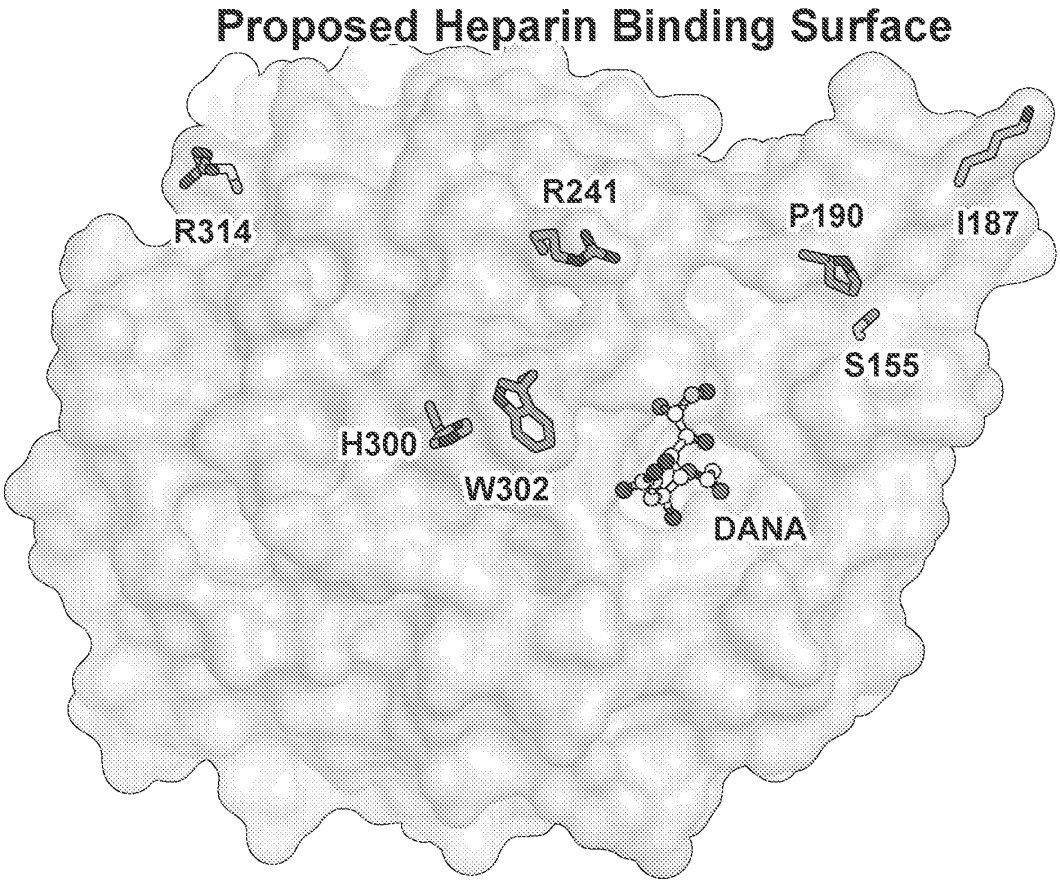

Proposed Heparin Binding Surface
R314
R241
P190
I187
S155
H300
W302
DANA

FIGURE 1

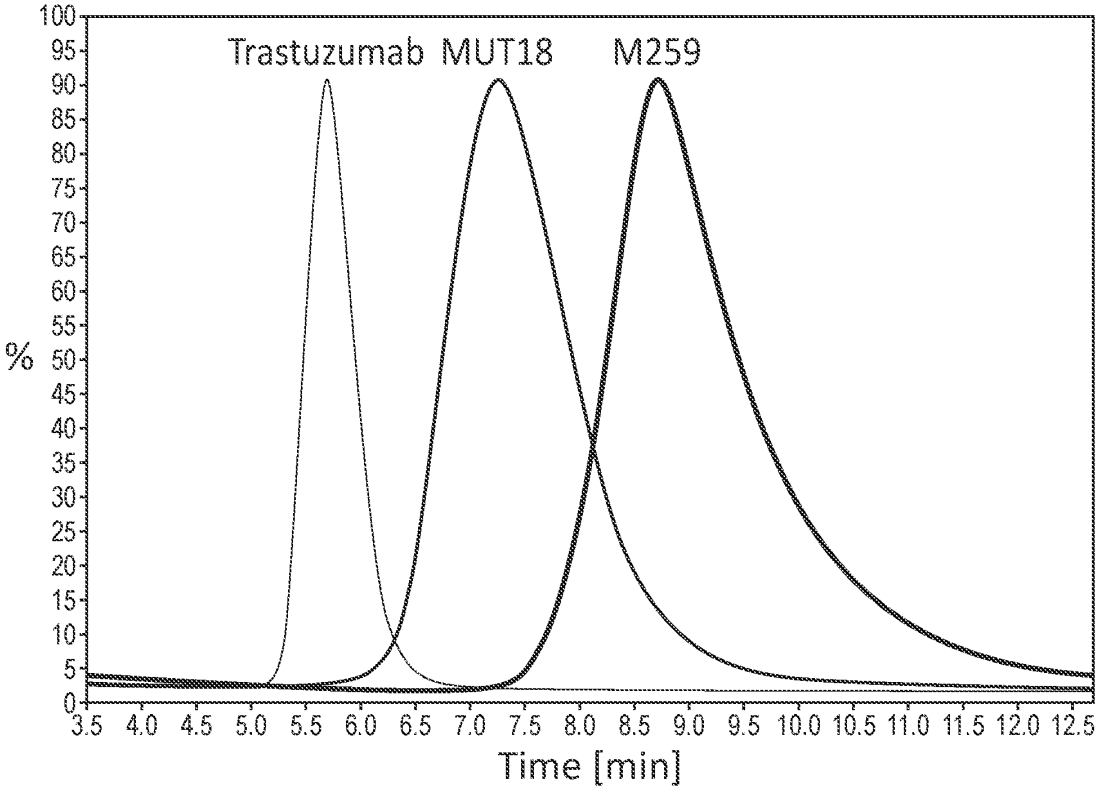

Trastuzumab
MUT18
M259
%
Time [min]
100
95
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5 12.0 12.5

FIGURE 2

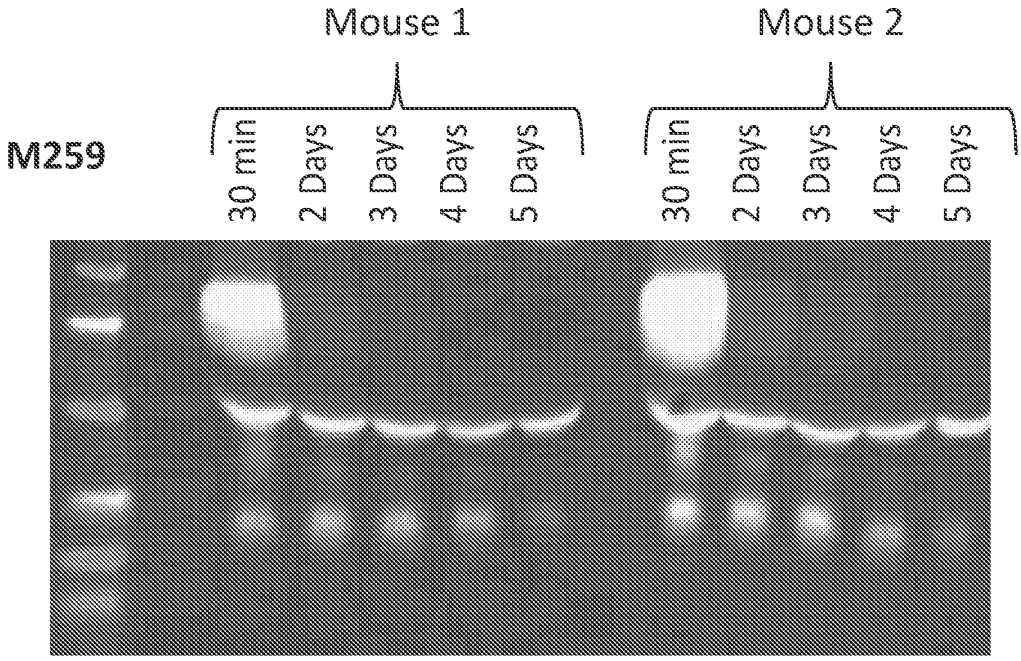


FIGURE 3A

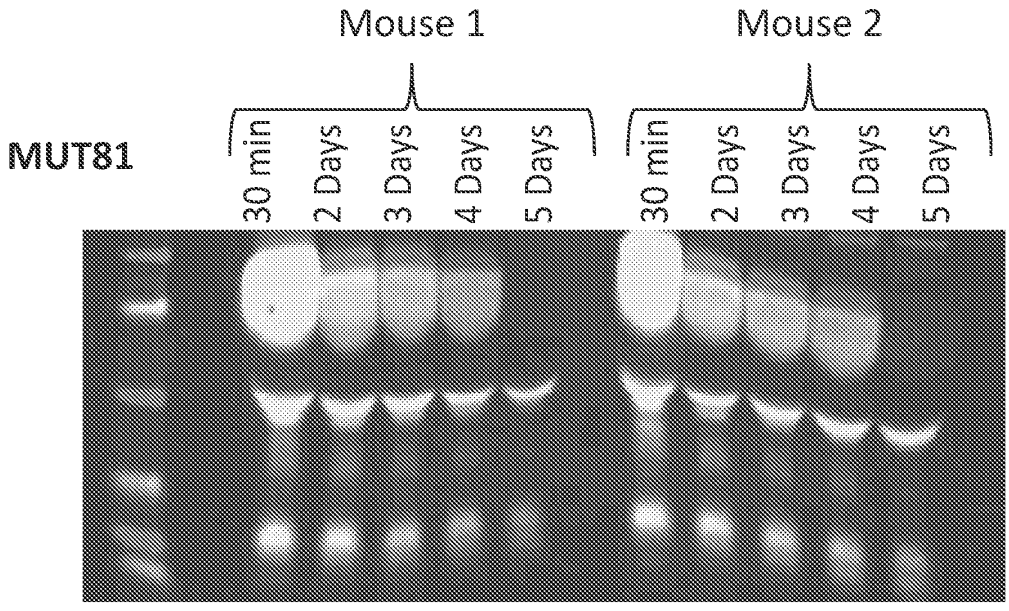


FIGURE 3B

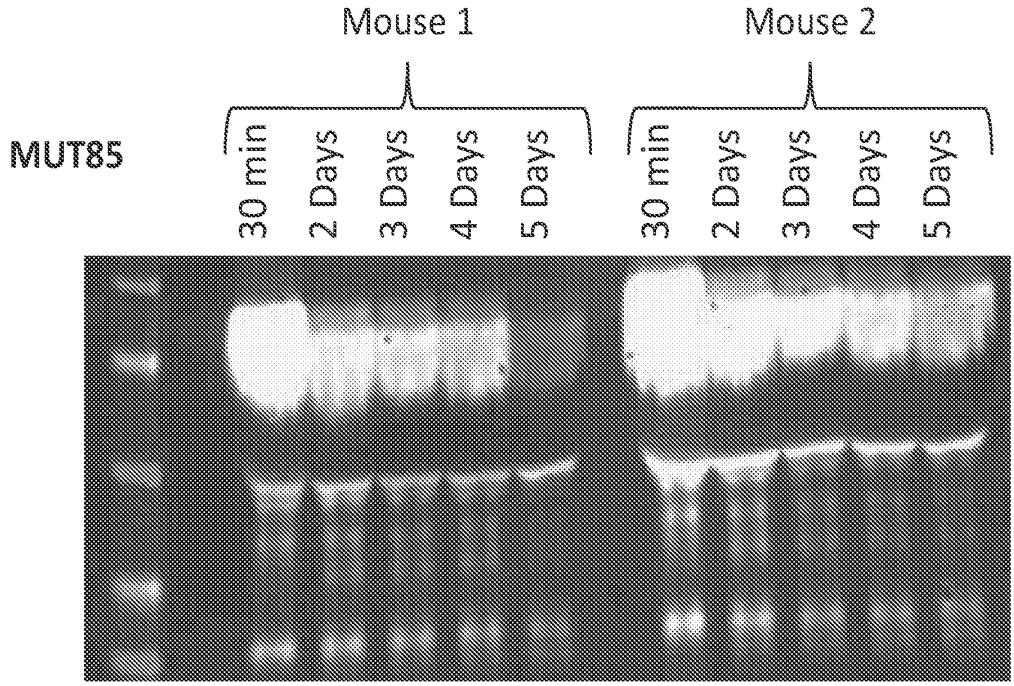

Mouse 1
Mouse 2
MUT85
30 min
2 Days
3 Days
4 Days
5 Days
30 min
2 Days
3 Days
4 Days
5 Days

FIGURE 3C

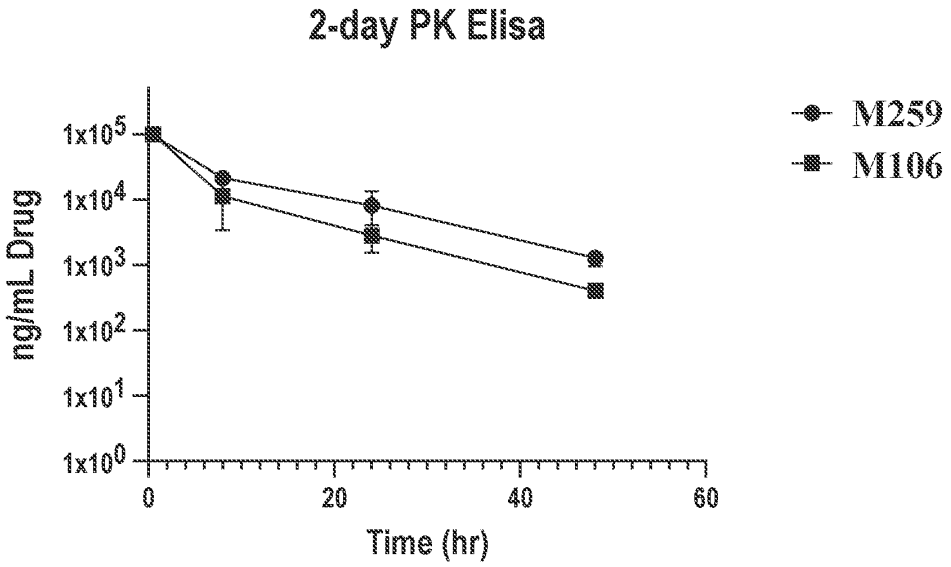


FIGURE 4A

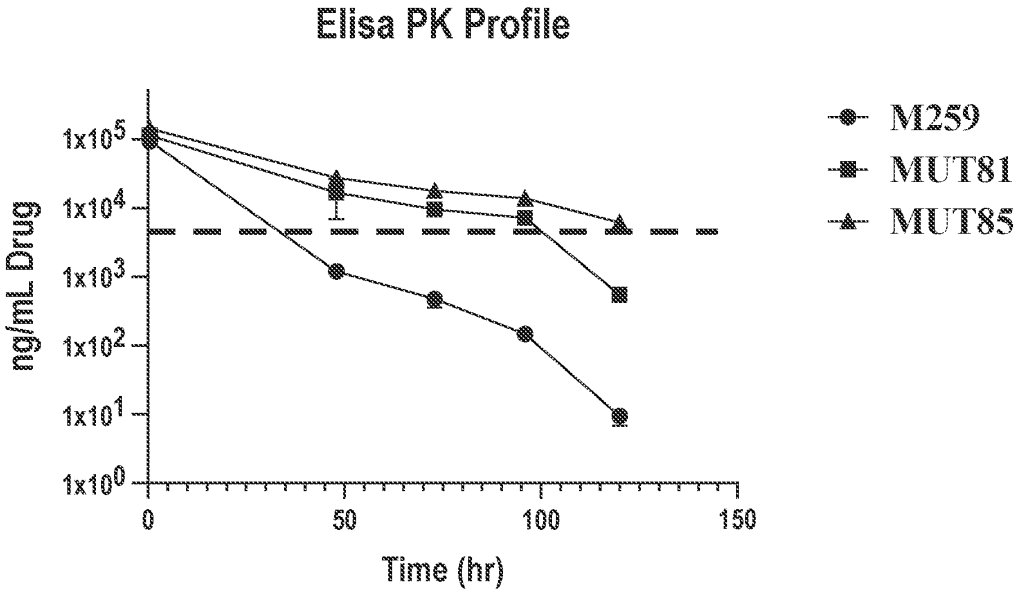


FIGURE 4B

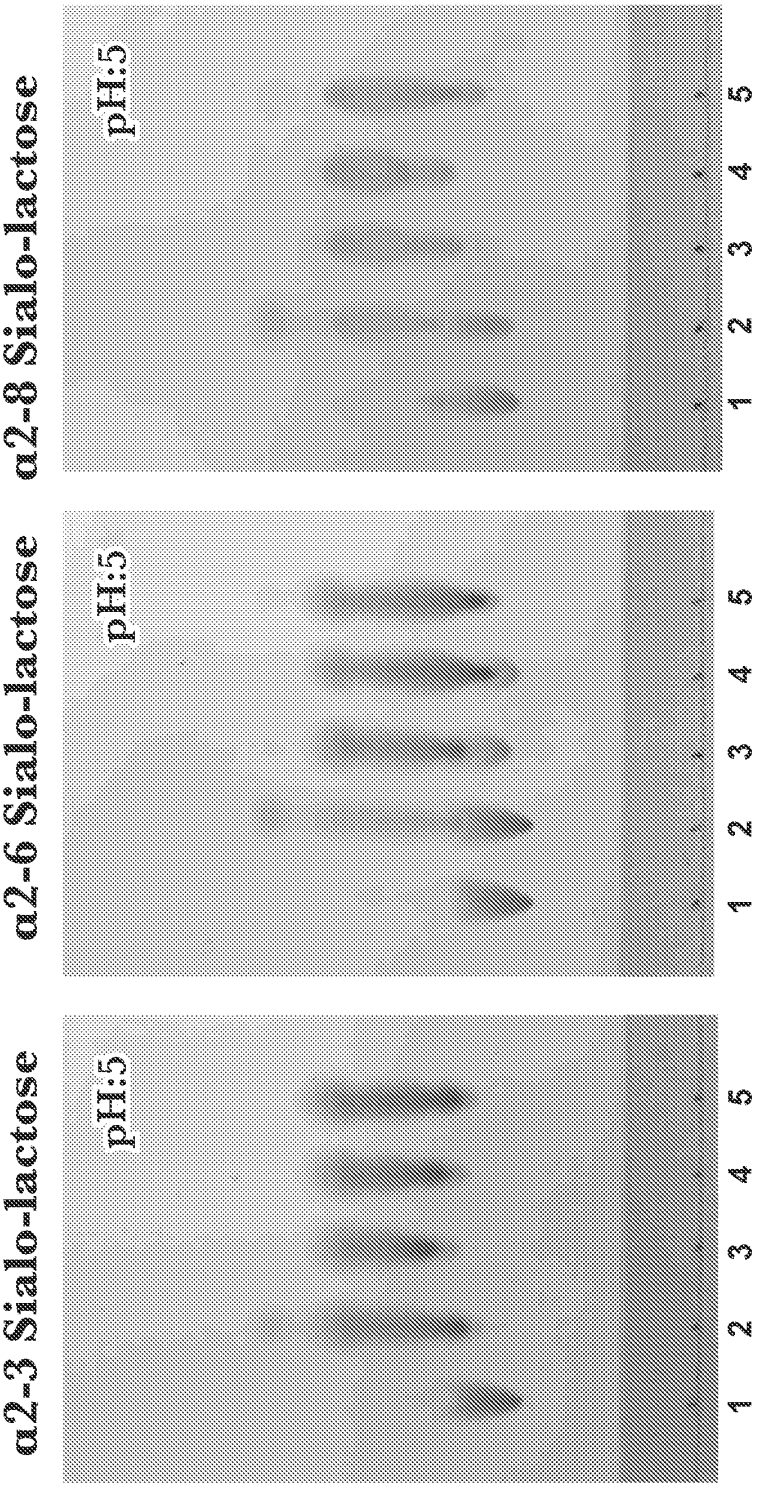

α2-3 Sialo-lactose
pH:5
1 2 3 4 5
α2-6 Sialo-lactose
pH:5
1 2 3 4 5
α2-8 Sialo-lactose
pH:5
1 2 3 4 5
1. Sub
2. M106
3. MUT81
4. MUT85
5. BiNanH2

FIGURE 5A

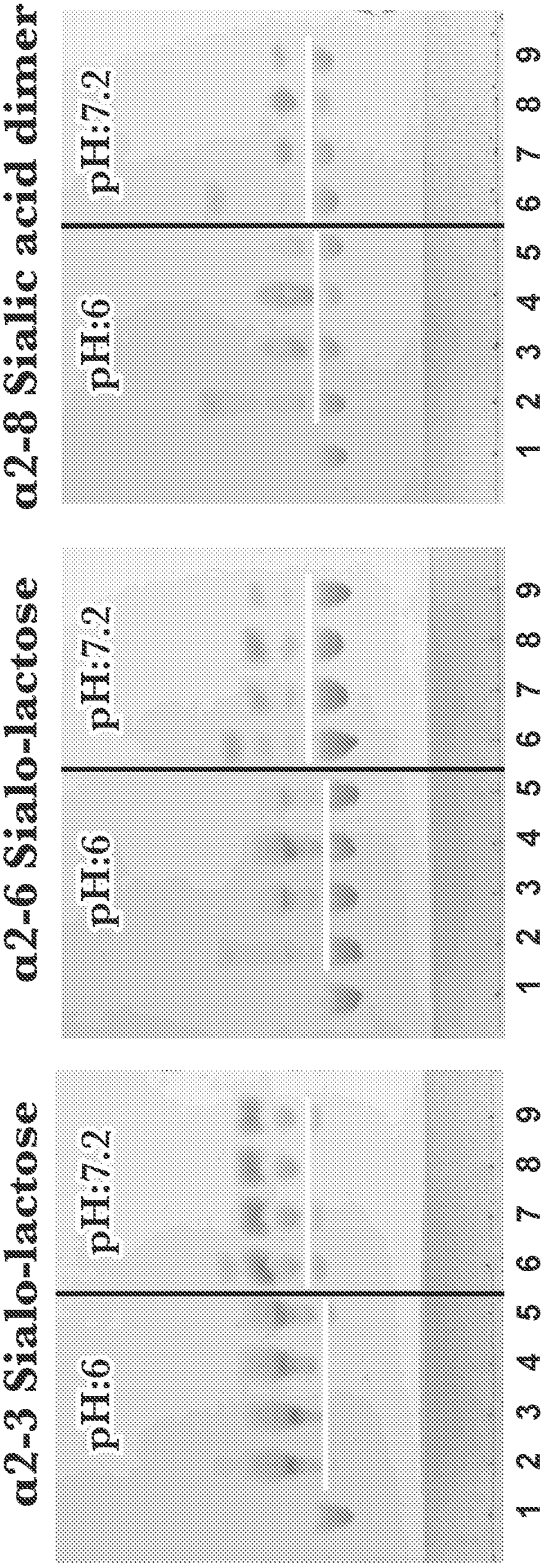

α2-3 Sialo-lactose
pH:6
pH:7.2
1 2 3 4 5 6 7 8 9
α2-6 Sialo-lactose
pH:6
pH:7.2
1 2 3 4 5 6 7 8 9
α2-8 Sialic acid dimer
pH:6
pH:7.2
1 2 3 4 5 6 7 8 9
1. Sub
2. M106
3. MUT81
4. MUT85
5. M259
6. M106
7. MUT81
8. MUT85
9. M259

FIGURE 5B

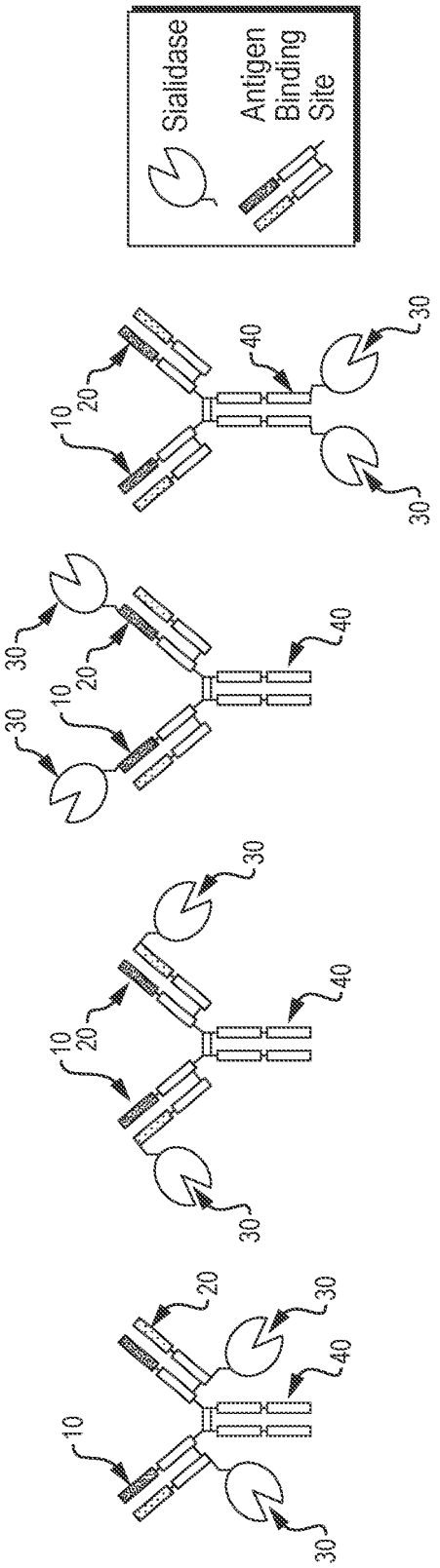


FIGURE 6A

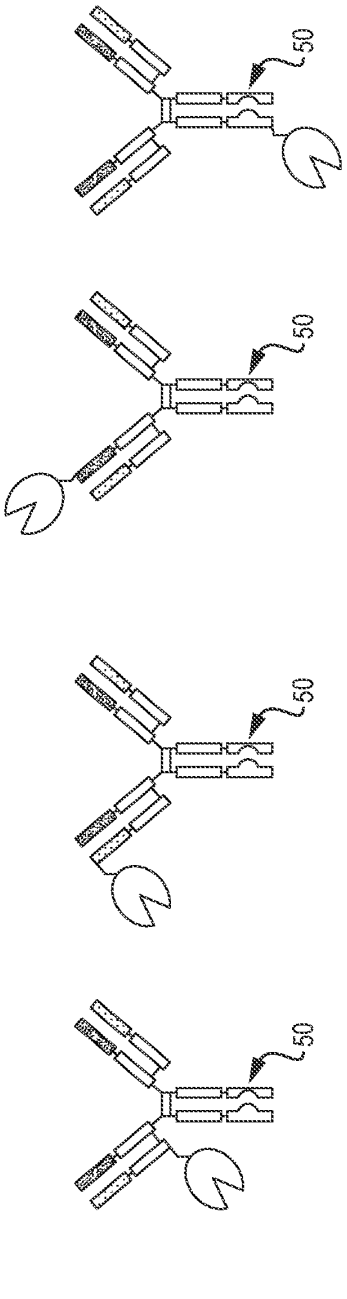


FIGURE 6B

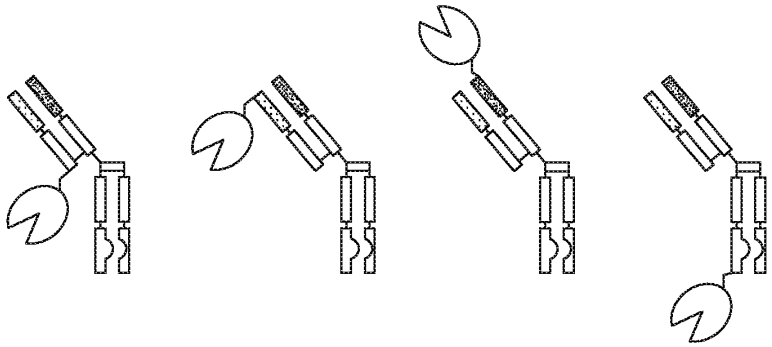


FIGURE 6C

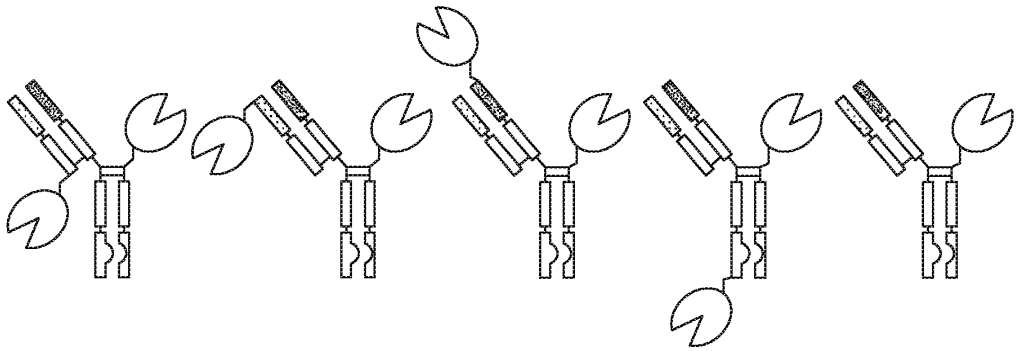


FIGURE 6D

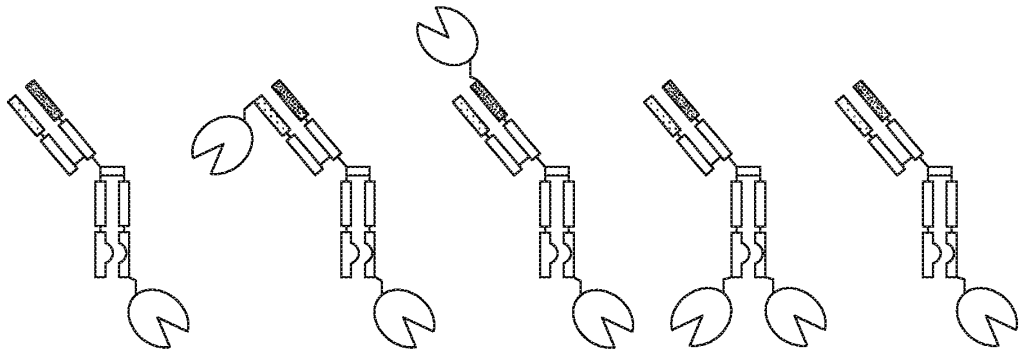


FIGURE 6E

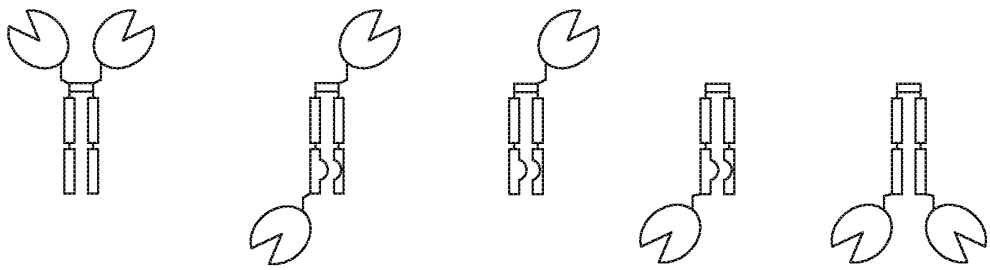


FIGURE 6F

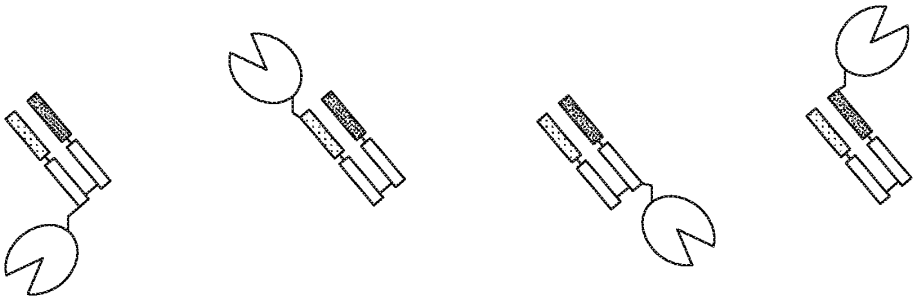


FIGURE 6G

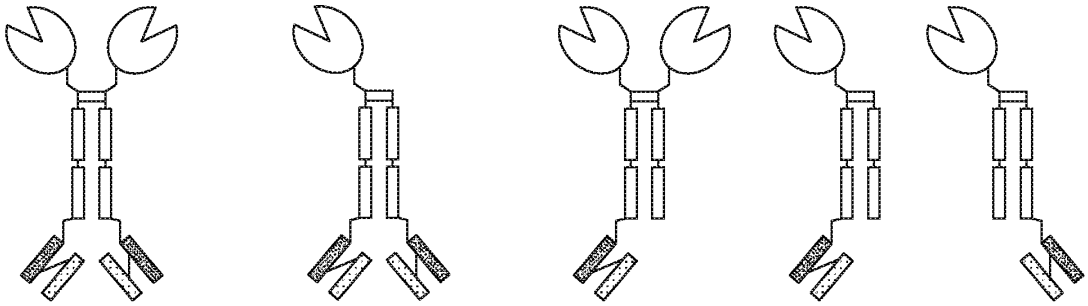


FIGURE 6H

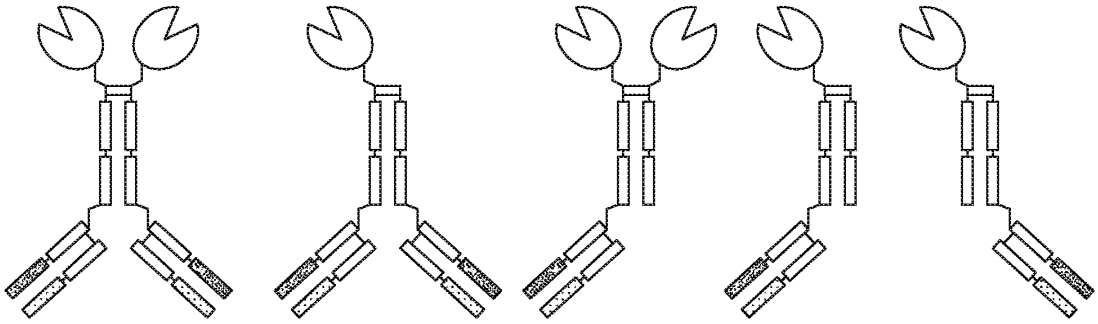


FIGURE 6I

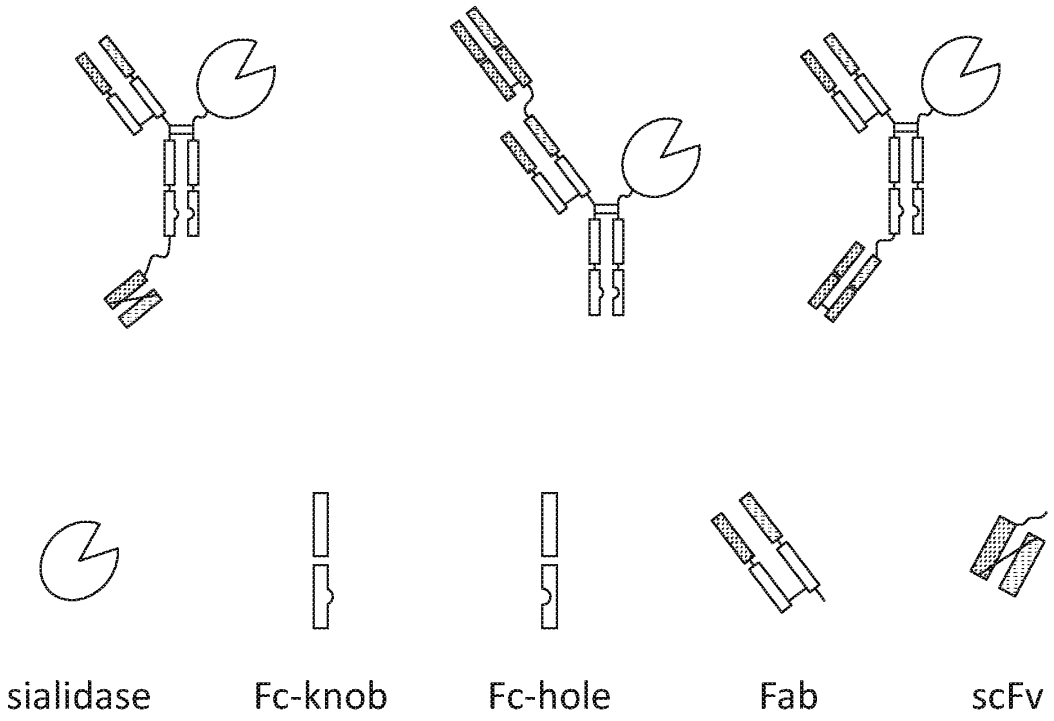


FIGURE 7

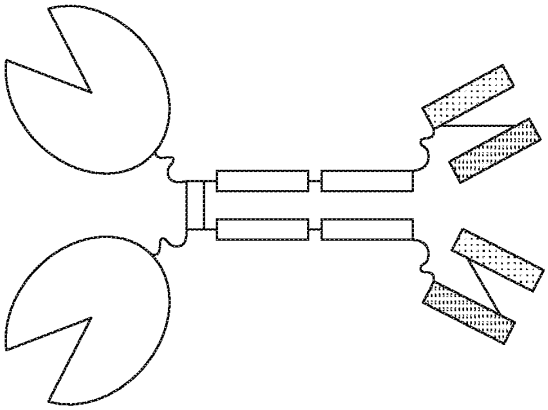


FIGURE 8C

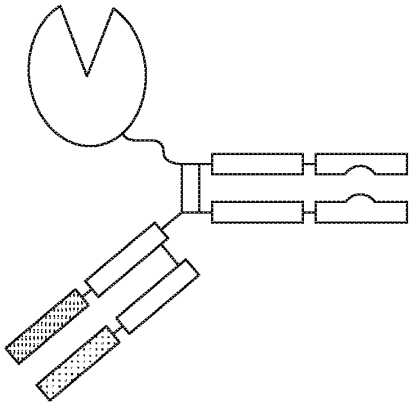


FIGURE 8B

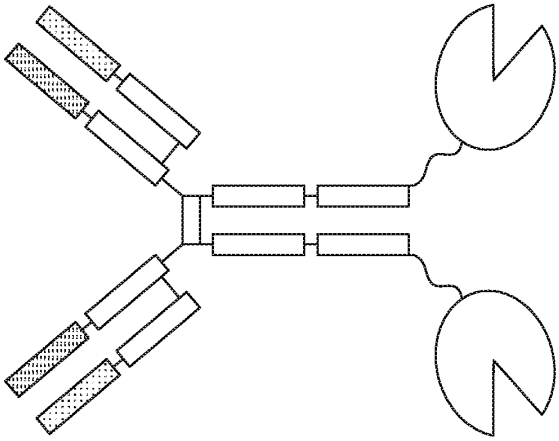
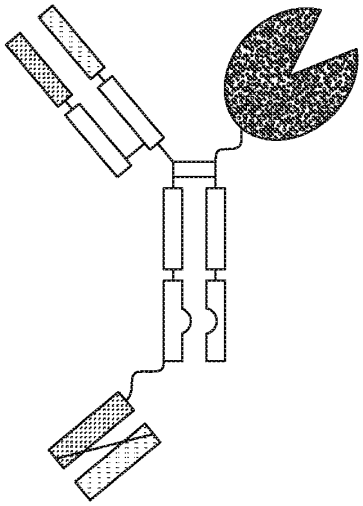
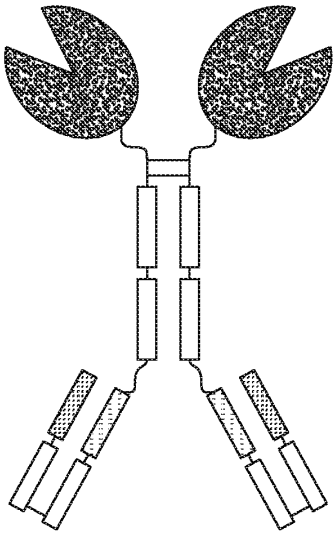


FIGURE 8A



BUNK

FIGURE 8D



LOBSTER-FAB

FIGURE 8E