FIGURE 1

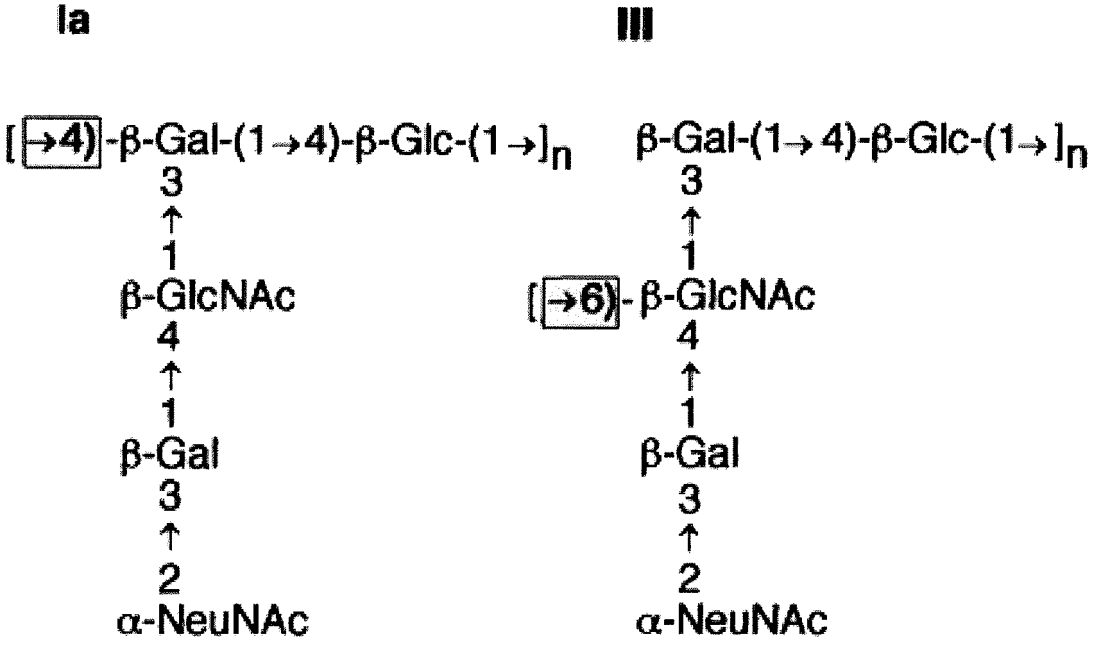

Ia
III
[→4)-β-Gal-(1→4)-β-Glc-(1→]n
3
↑
1
β-GlcNAc
4
↑
1
β-Gal
3
↑
2
α-NeuNAc
β-Gal-(1→4)-β-Glc-(1→]n
3
↑
1
[→6)-β-GlcNAc
4
↑
1
β-Gal
3
↑
2
α-NeuNAc

FIGURE 2

Ia	[→4)-ß-D-Glc*p*-(1→4)-ß-D-Gal*p*-(1→]$_n$ 3 ↑ 1 ß-D-Glc*p*NAc 4 ↑ 1 ß-D-Gal*p* 3 ↑ 2 α-D-Neu*p*NAc
Ib	[→4)-ß-D-Glc*p*-(1→4)-ß-D-Gal*p*-(1→]$_n$ 3 ↑ 1 ß-D-Glc*p*NAc 3 ↑ 1 ß-D-Gal*p* 3 ↑ 2 α-D-Neu*p*NAc
II	[→4)-β-D-Glc*p*NAc-(1→3)-β-D-Gal*p*-(1→4)-β-D-Glc*p*-(1→3)-β-D-Glc*p*-(1→2)-β-D-Gal*p*-(1→]$_n$ 6 3 ↑ ↑ 1 2 β-D-Gal*p* α-D-Neu*p*NAc
III	→4)-β-D-Glc*p*-(1→6)-β-D-Glc*p*NAc-(1→3)-β-D-Gal*p*-(1→ 4 ↑ 1 β-D-Gal*p* 3 ↑ 2 α-D-Neu*p*NAc
V	→4)-α-D-Glc*p*-(1→4)-β-D-Gal*p*-(1→4)-β-D-Glc*p*-(1→ 6 3 ↑ ↑ 1 1 β-D-Glc*p*NAc β-D-Glc*p* 4 ↑ 1 β-D-Gal*p* 3 ↑ 2 α-D-Neu*p*NAc

FIGURE 3

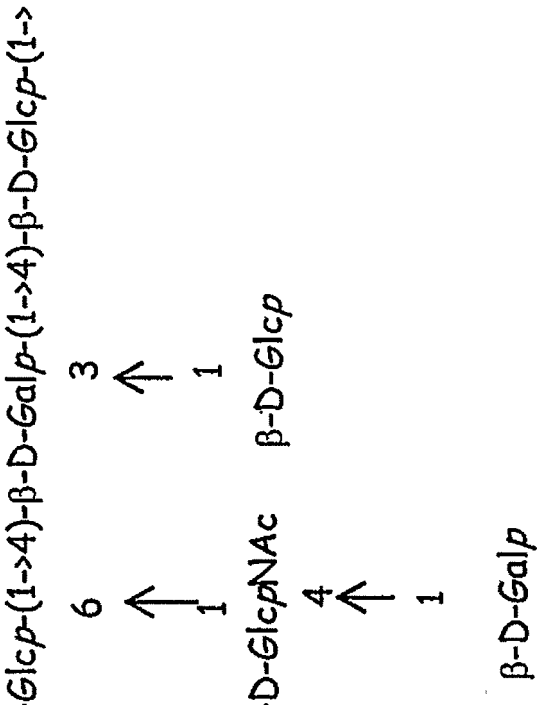
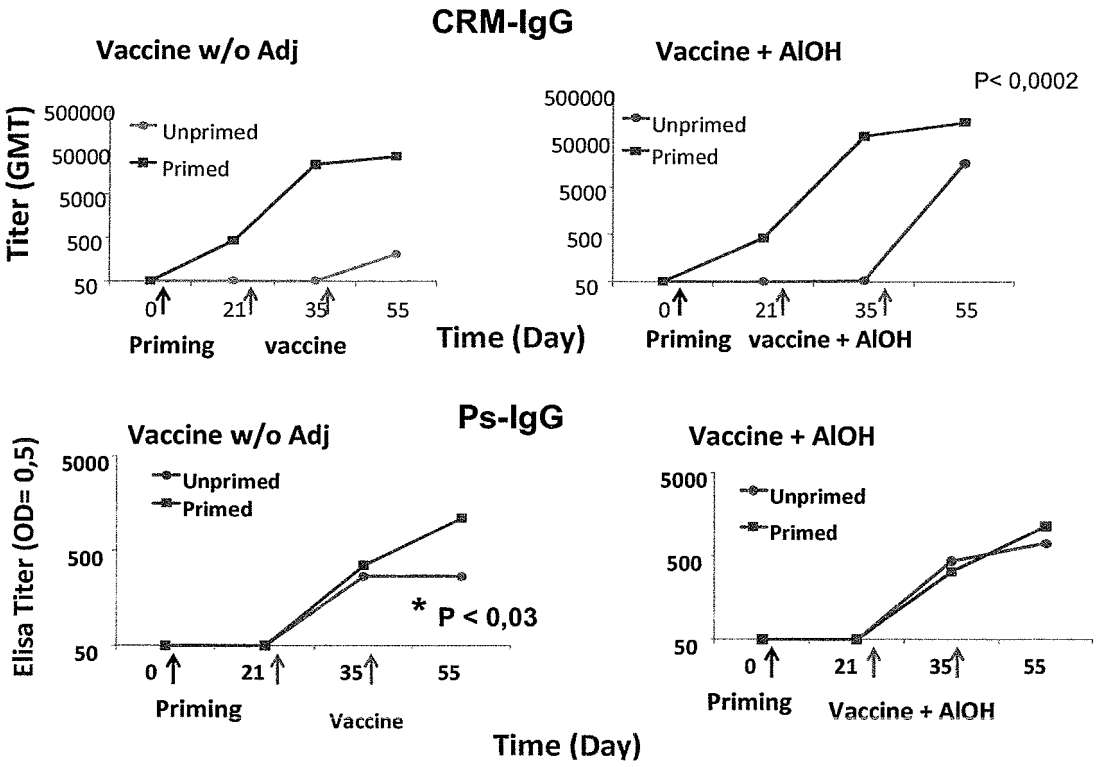

-> 4)-α-D-Glcp-(1->4)-β-D-Galp-(1->4)-β-D-Glcp-(1->
6
3
1
1
β-D-GlcpNAc
β-D-Glcp
4
1
β-D-Galp

FIGURE 4


CRM-IgG
Vaccine w/o Adj
Vaccine + AlOH
P< 0,0002
Titer (GMT)
500000
50000
5000
500
50
Unprimed
Primed
0
21
35
55
Priming
vaccine
vaccine + AlOH
Time (Day)
Ps-IgG
Vaccine w/o Adj
Vaccine + AlOH
Elisa Titer (OD= 0,5)
5000
500
50
* P < 0,03
Priming
Vaccine
Vaccine + AlOH
Time (Day)