

Strict acceptor substrate specificity of glycosyltransferases

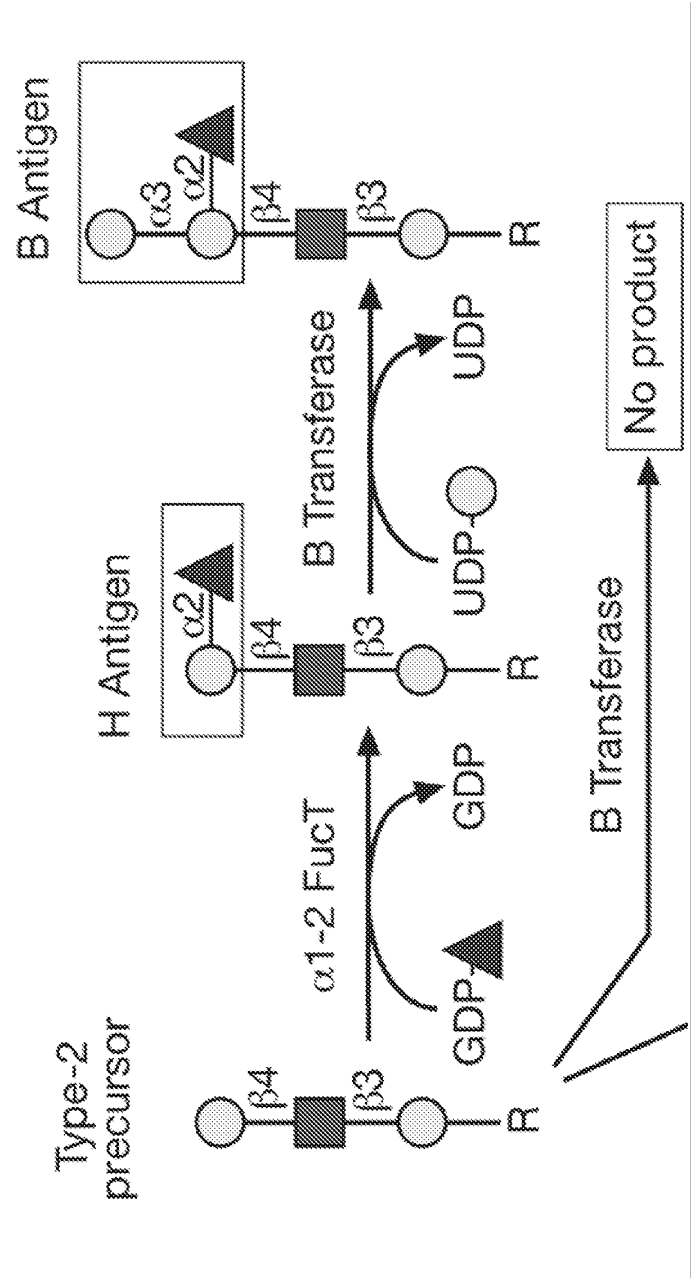


FIG. 1

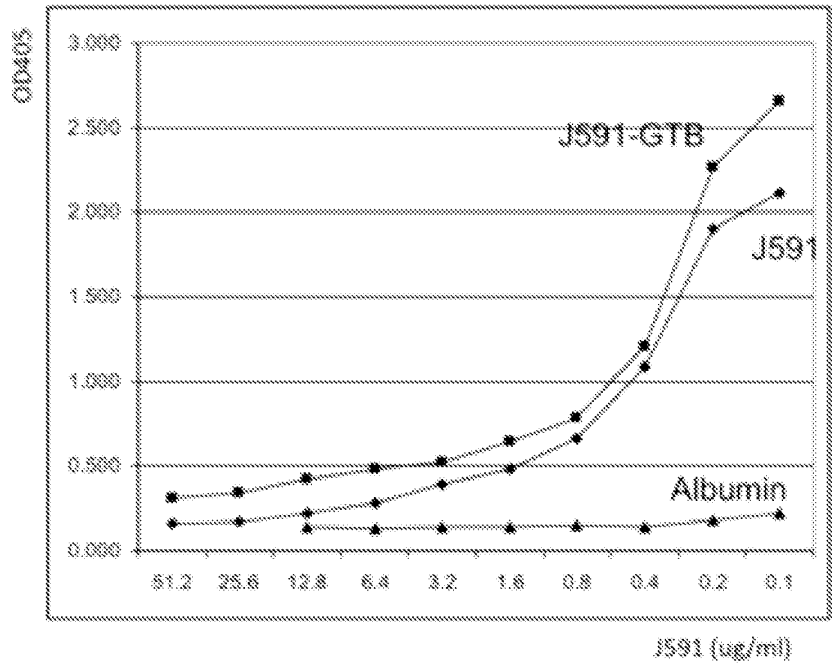


FIG. 2A

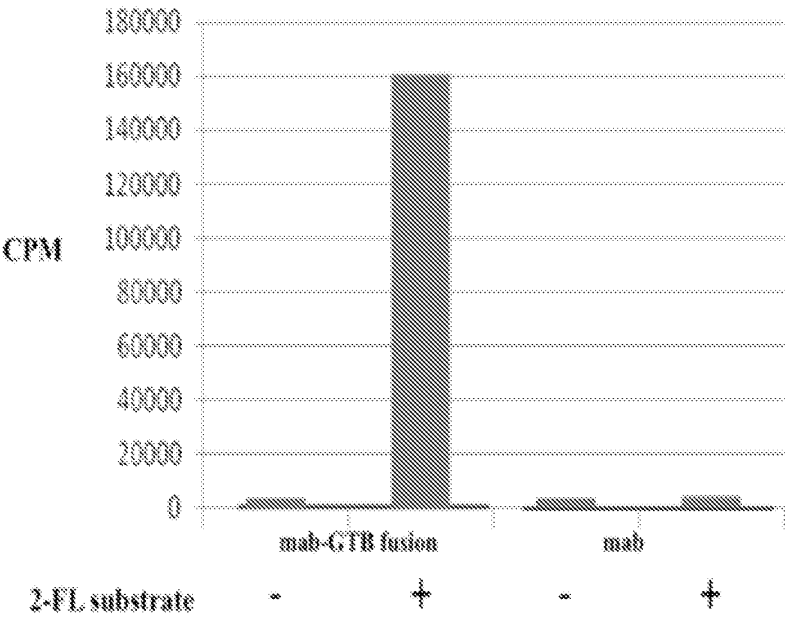


FIG. 2B

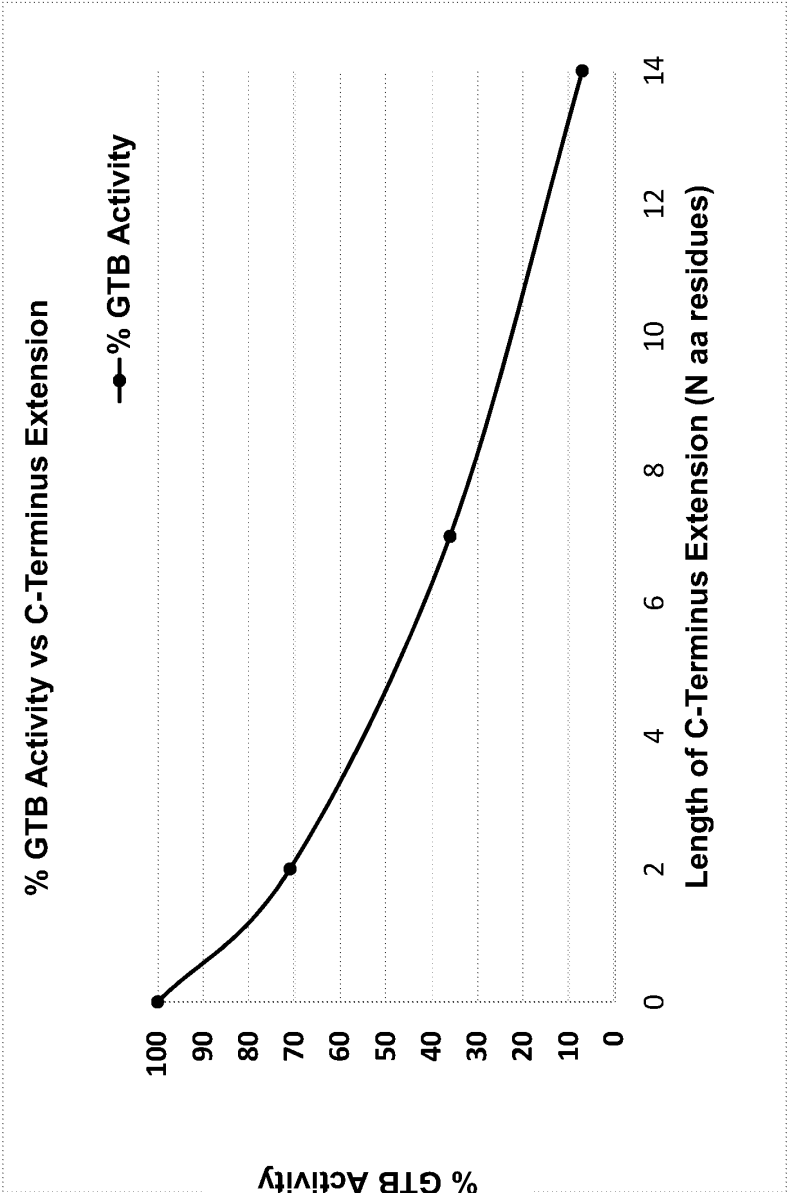


FIG. 3

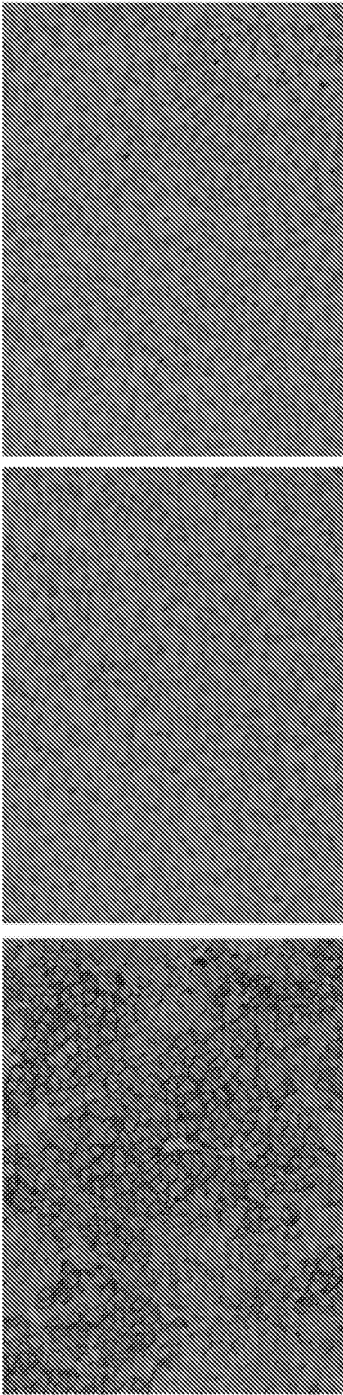


FIG. 4

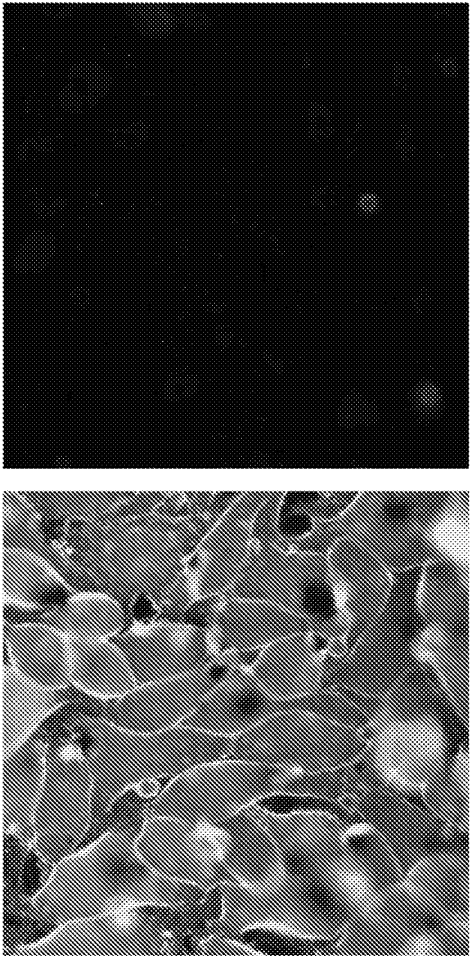
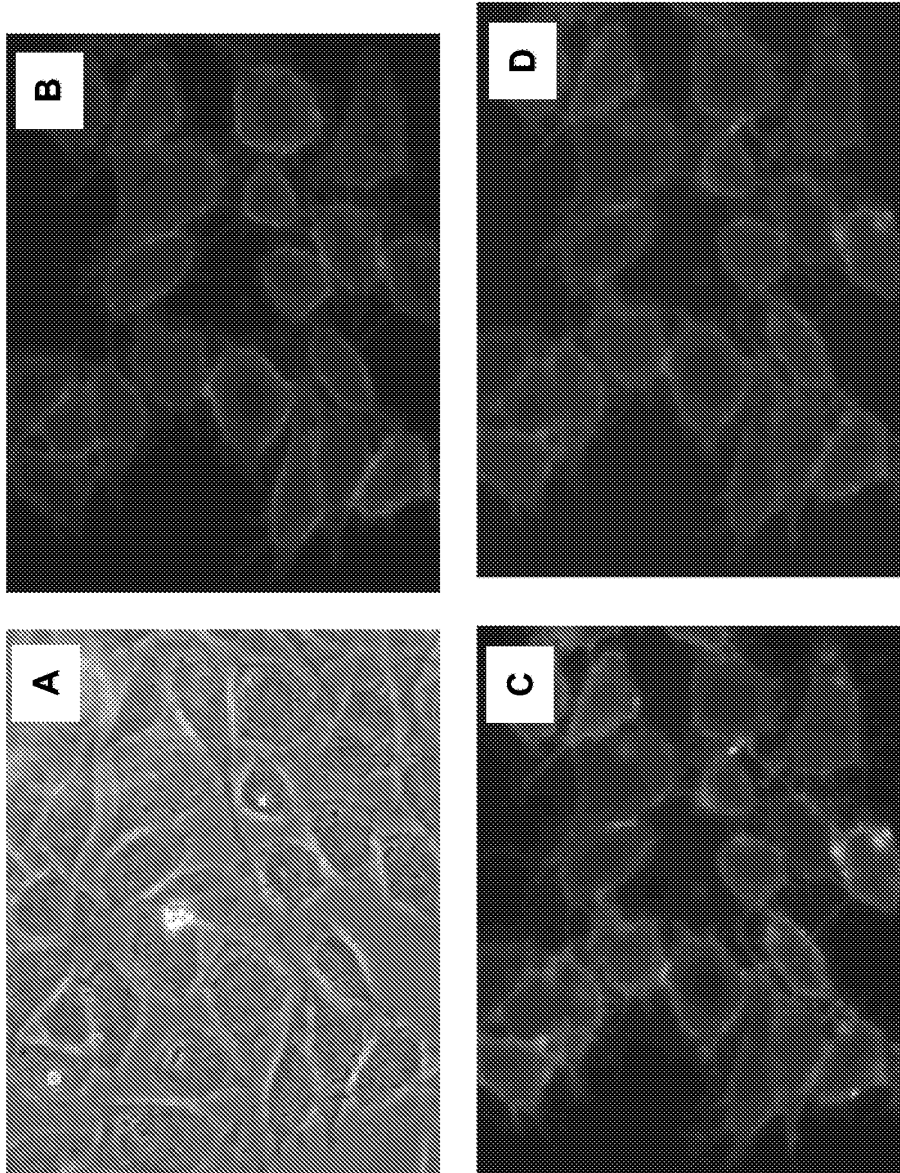


FIG. 5



FIGs. 6A-6D

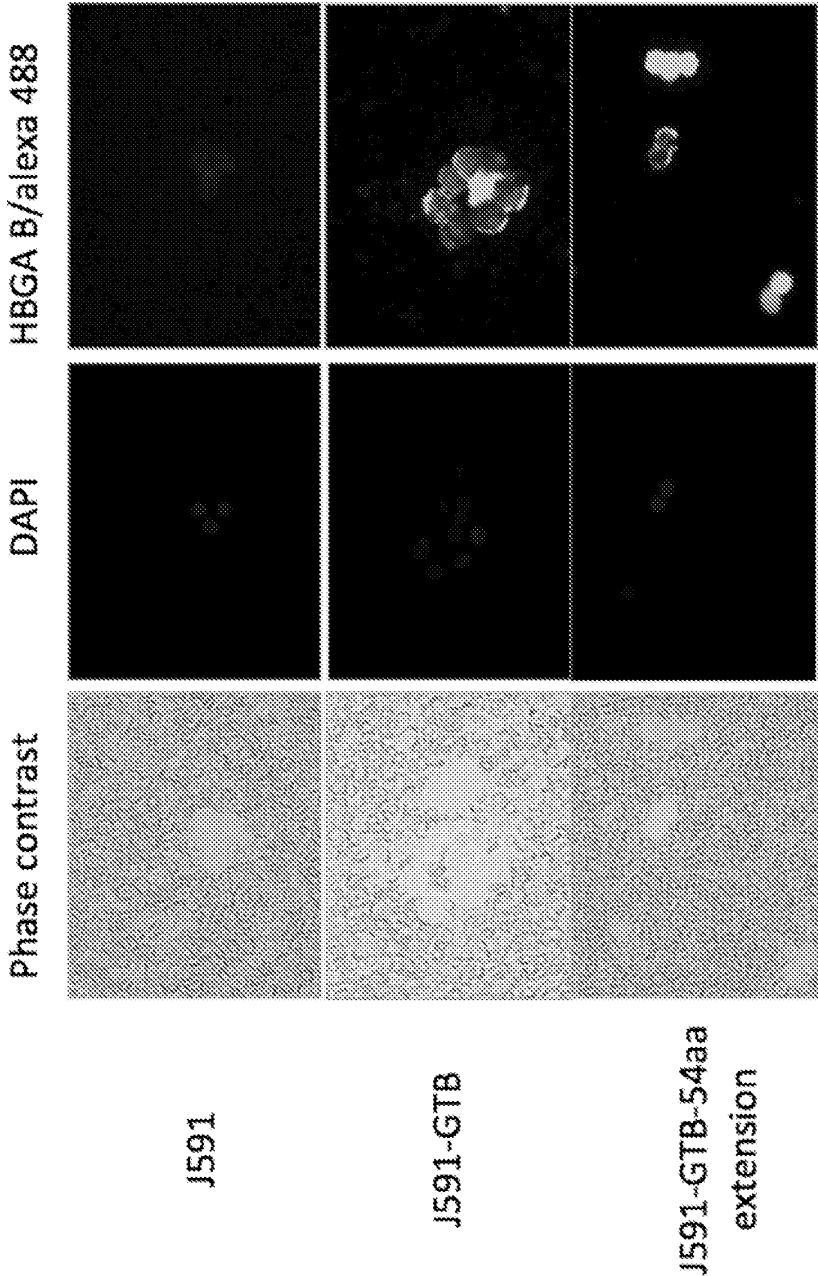
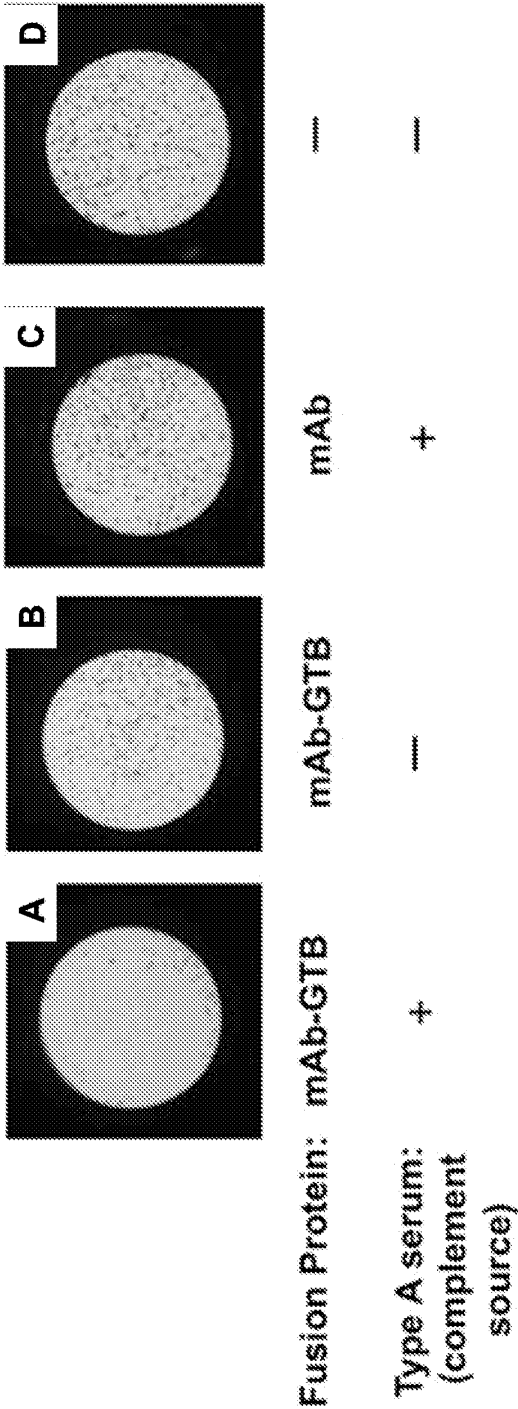


FIG. 7



FIGs. 8A-8D

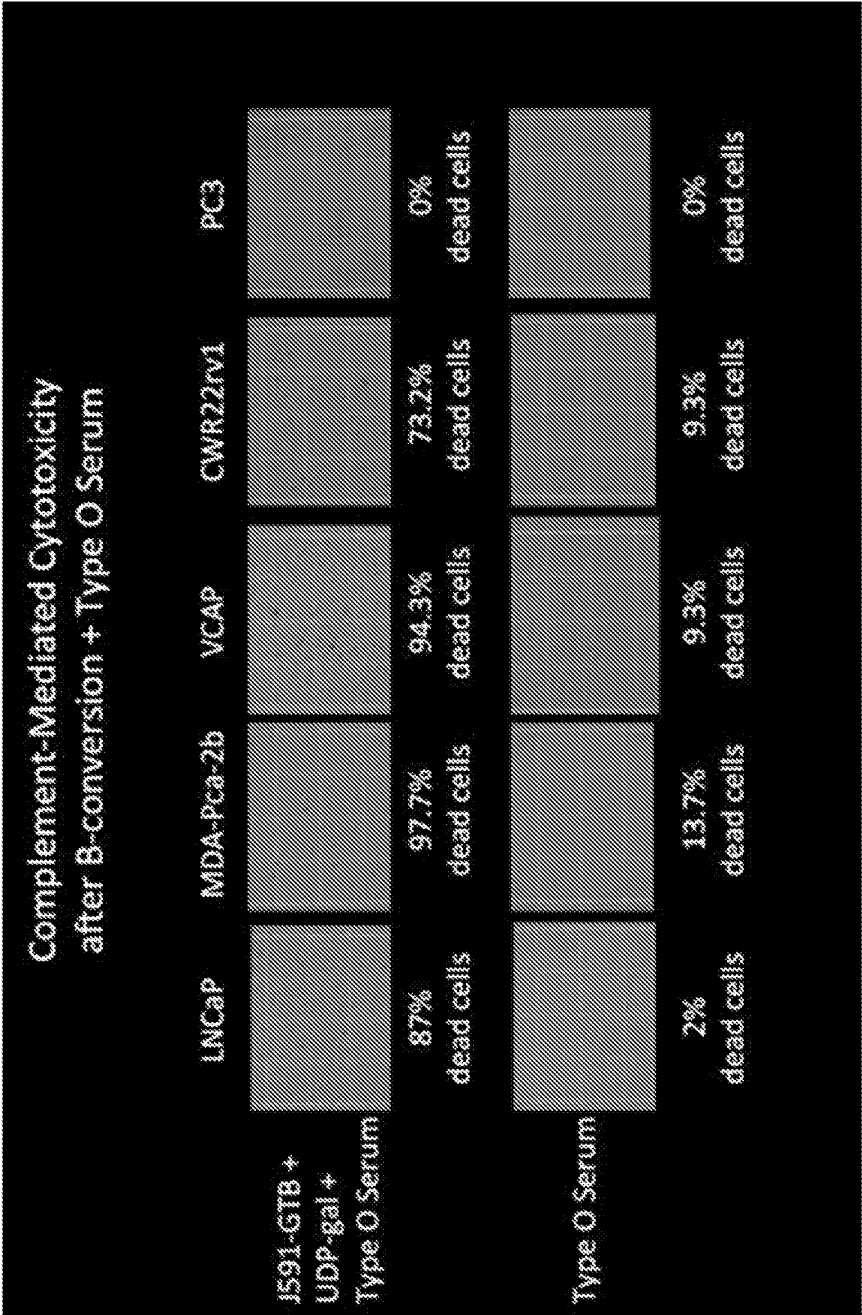
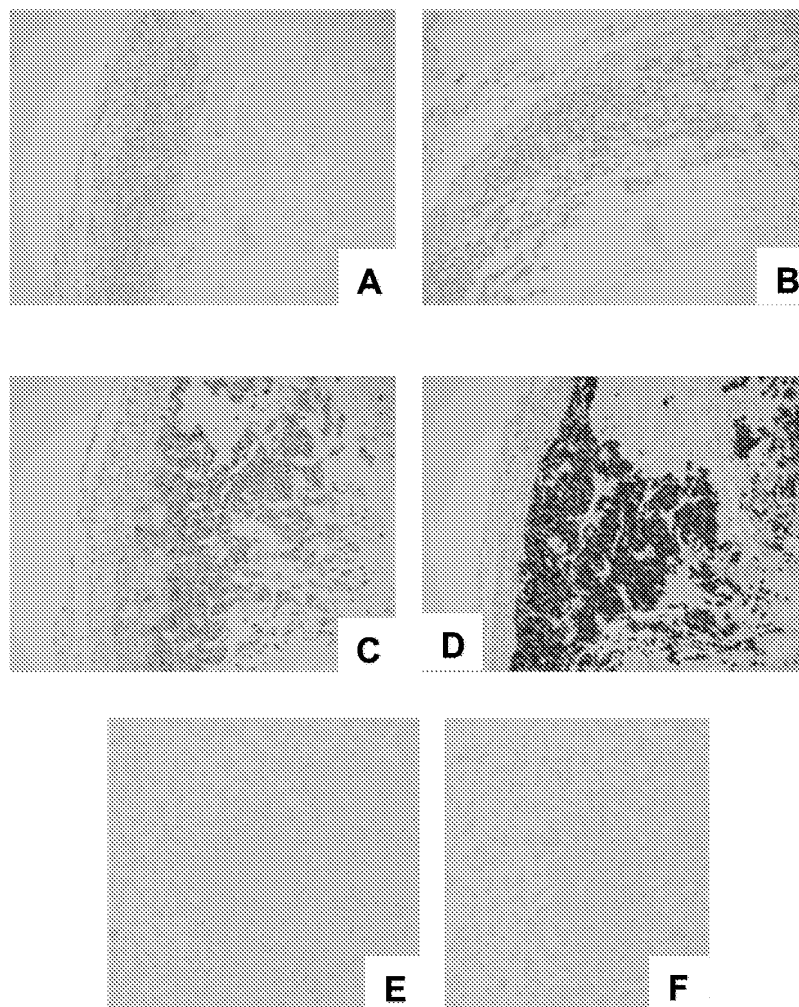
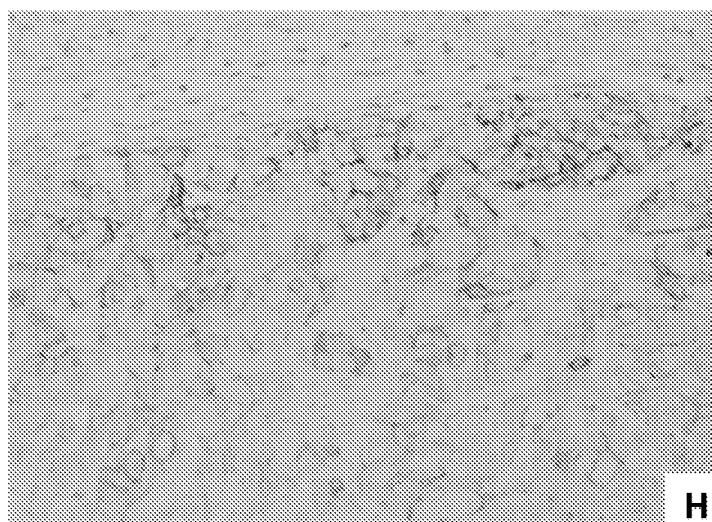
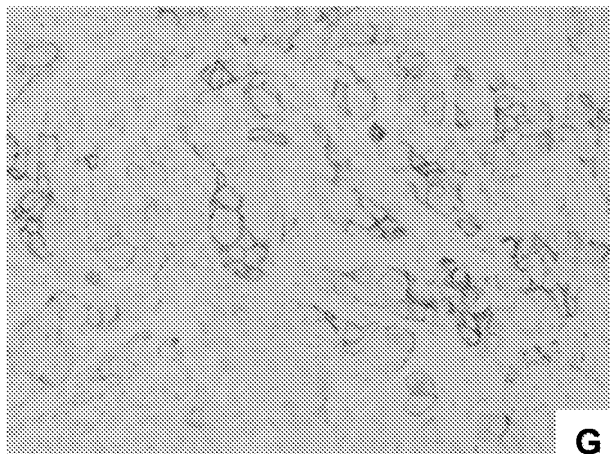


FIG. 9



FIGs. 10A-10F



FIGs. 10G-10H

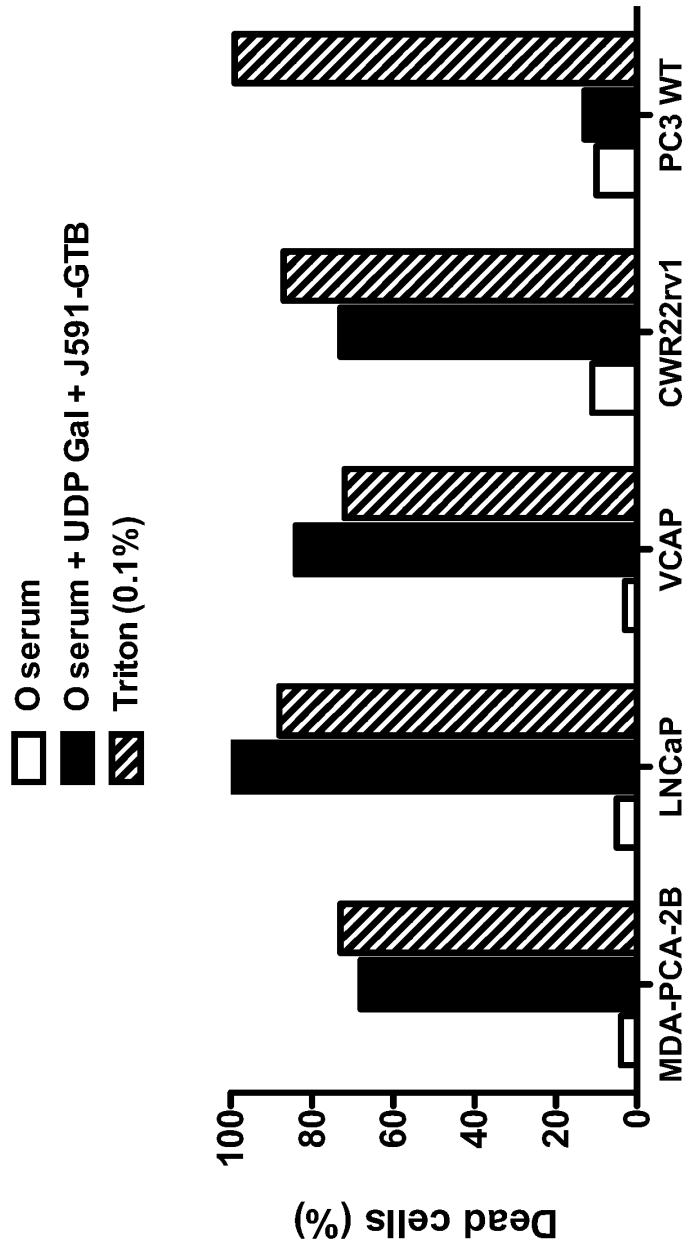


FIG. 11A

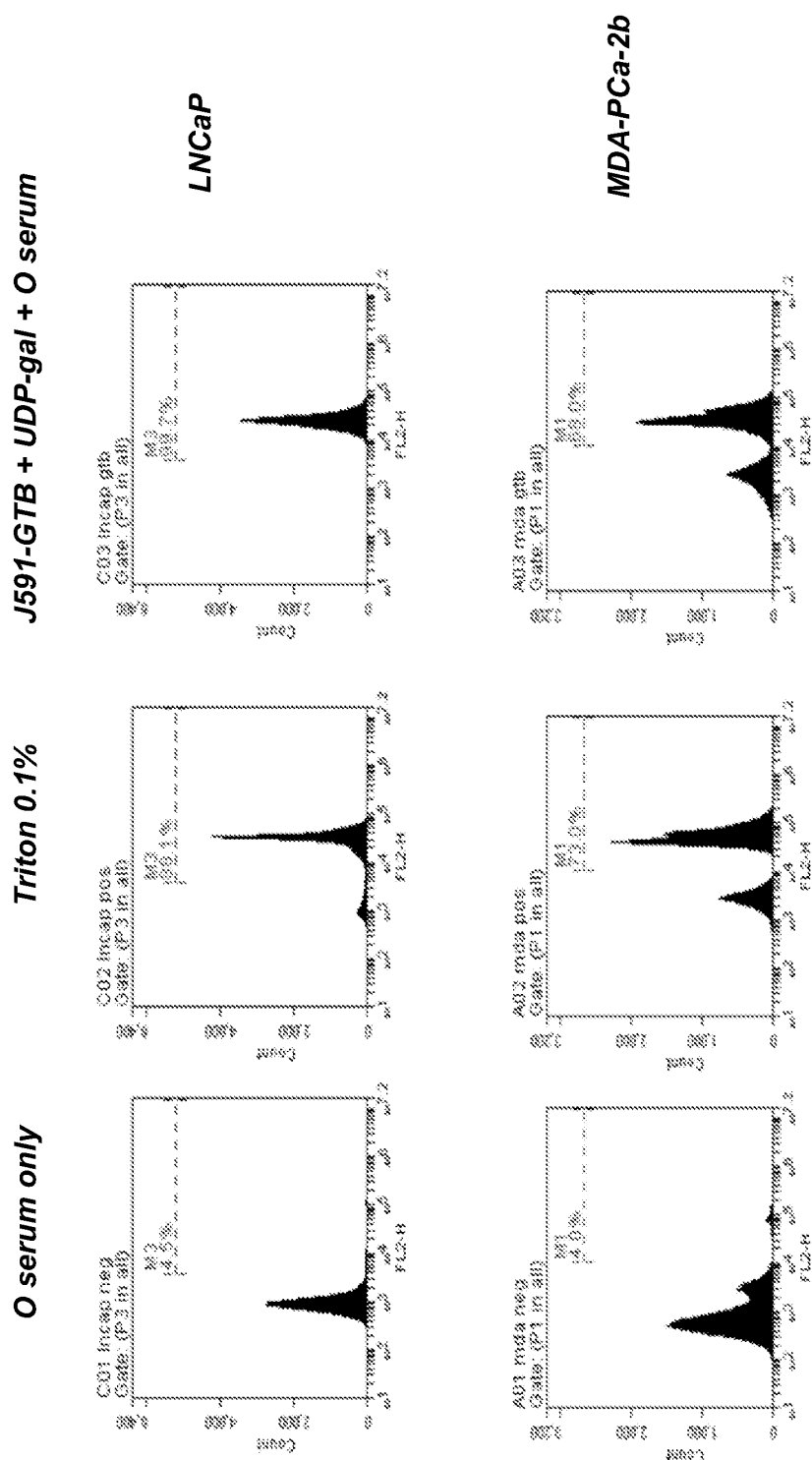


FIG. 11B

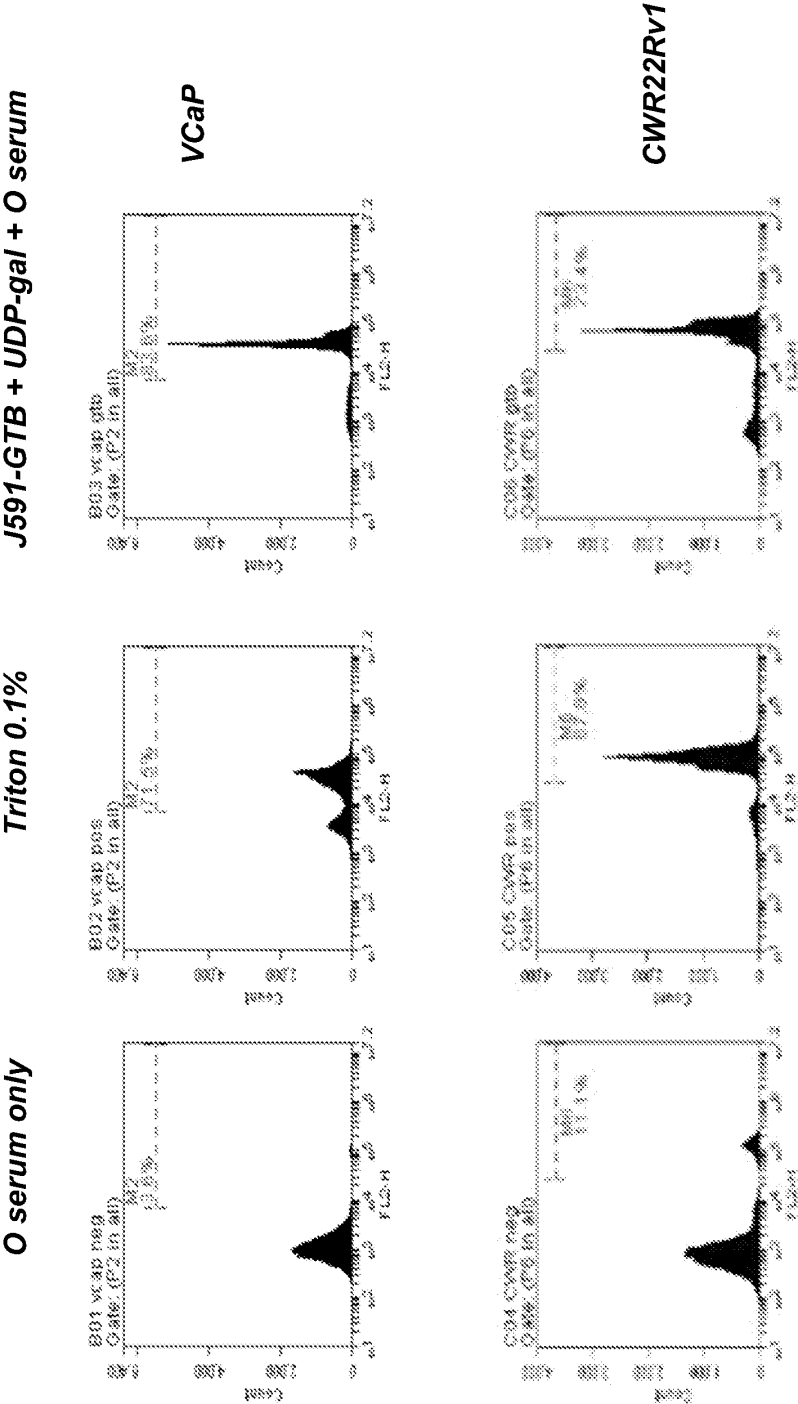


FIG. 11B (continued)

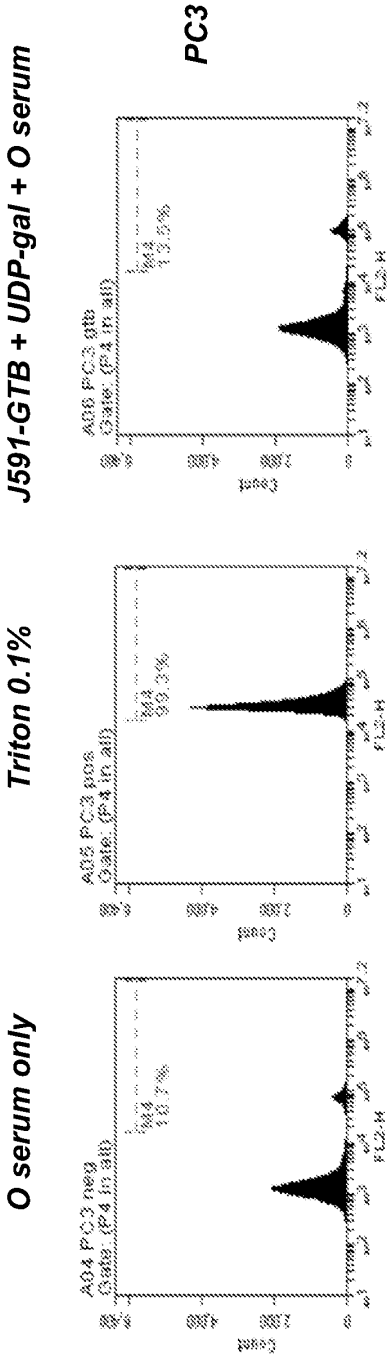
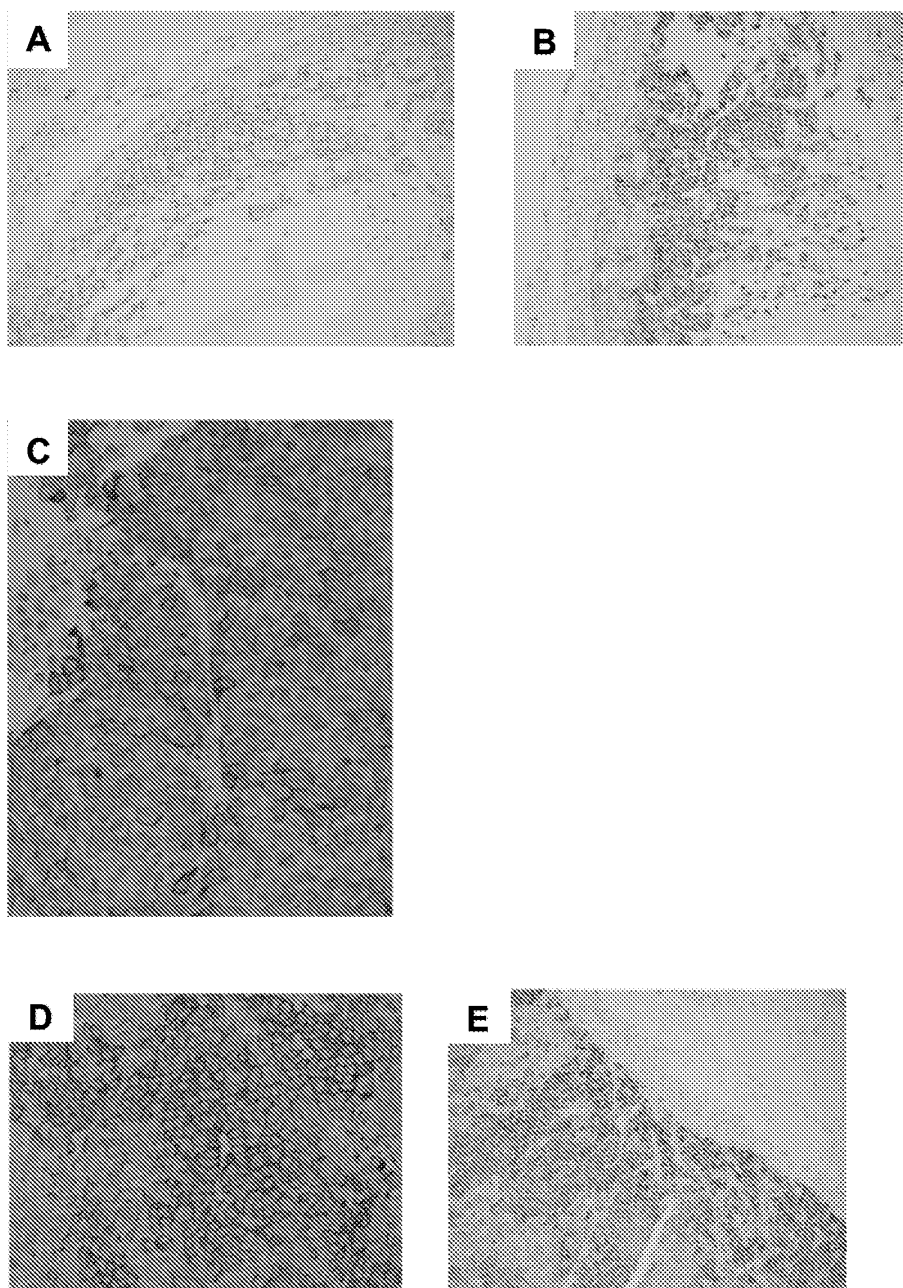
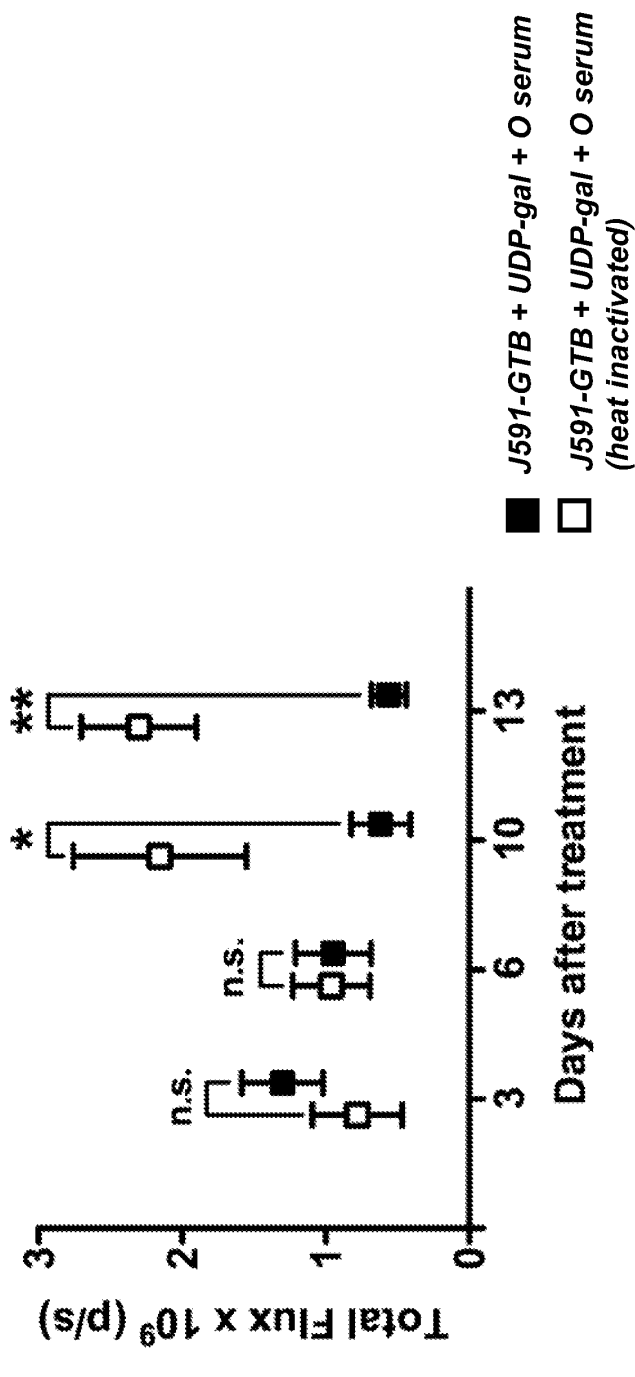


FIG. 11B (continued)



FIGs. 12A-12E



* p= 0.043
** p= 0.0032

FIG. 13A

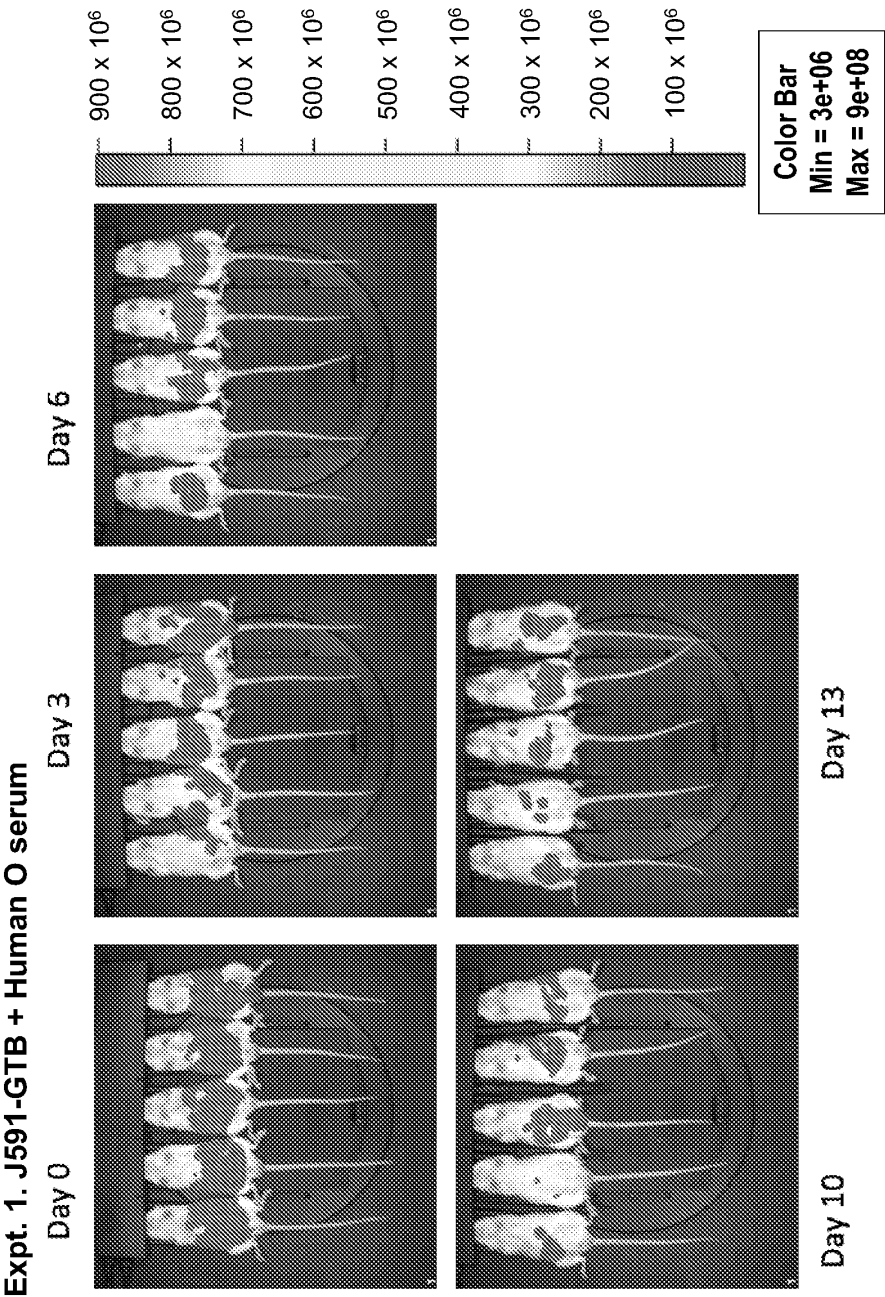


FIG. 13B

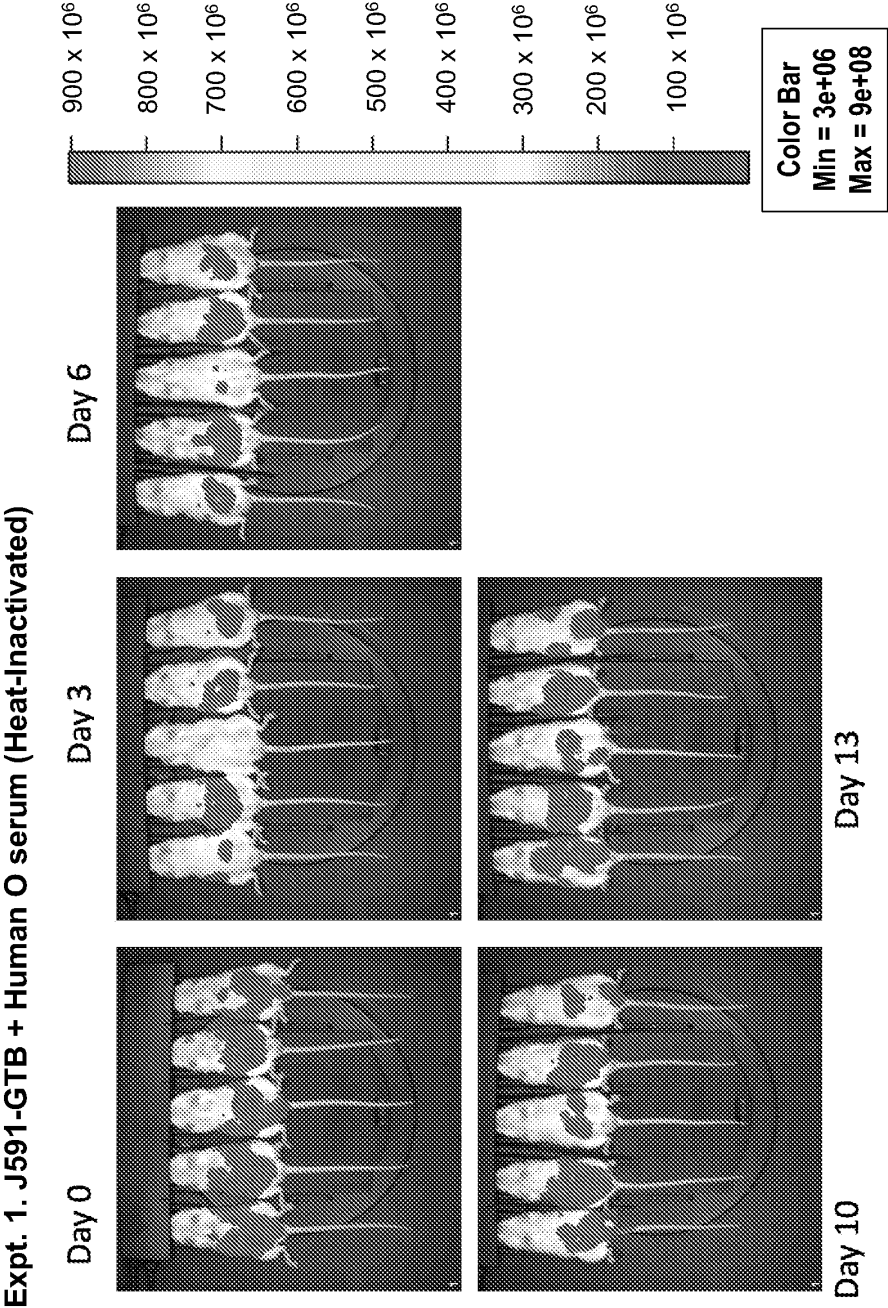


FIG. 13B (continued)

Expt. 2. J591-GTB + Human O serum

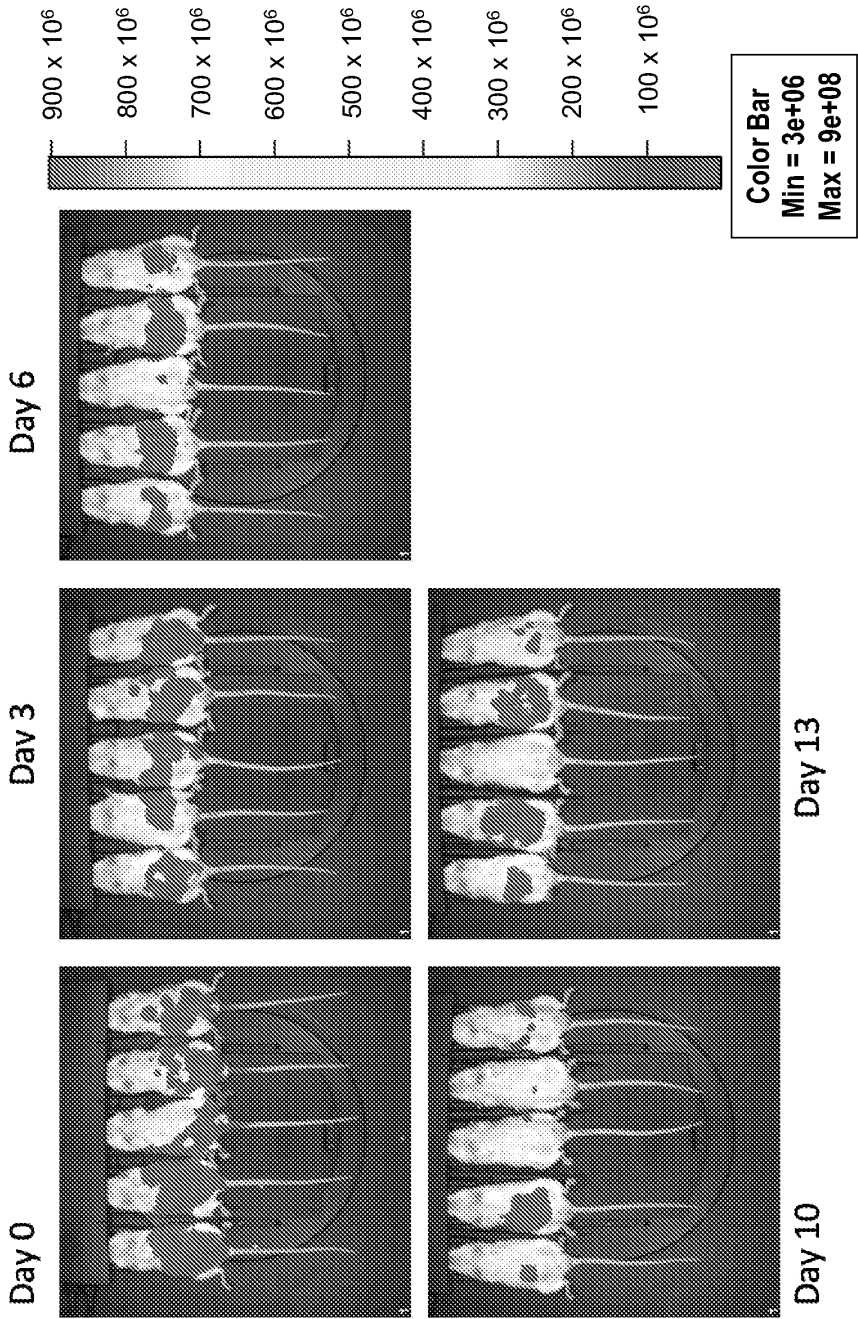


FIG. 14A

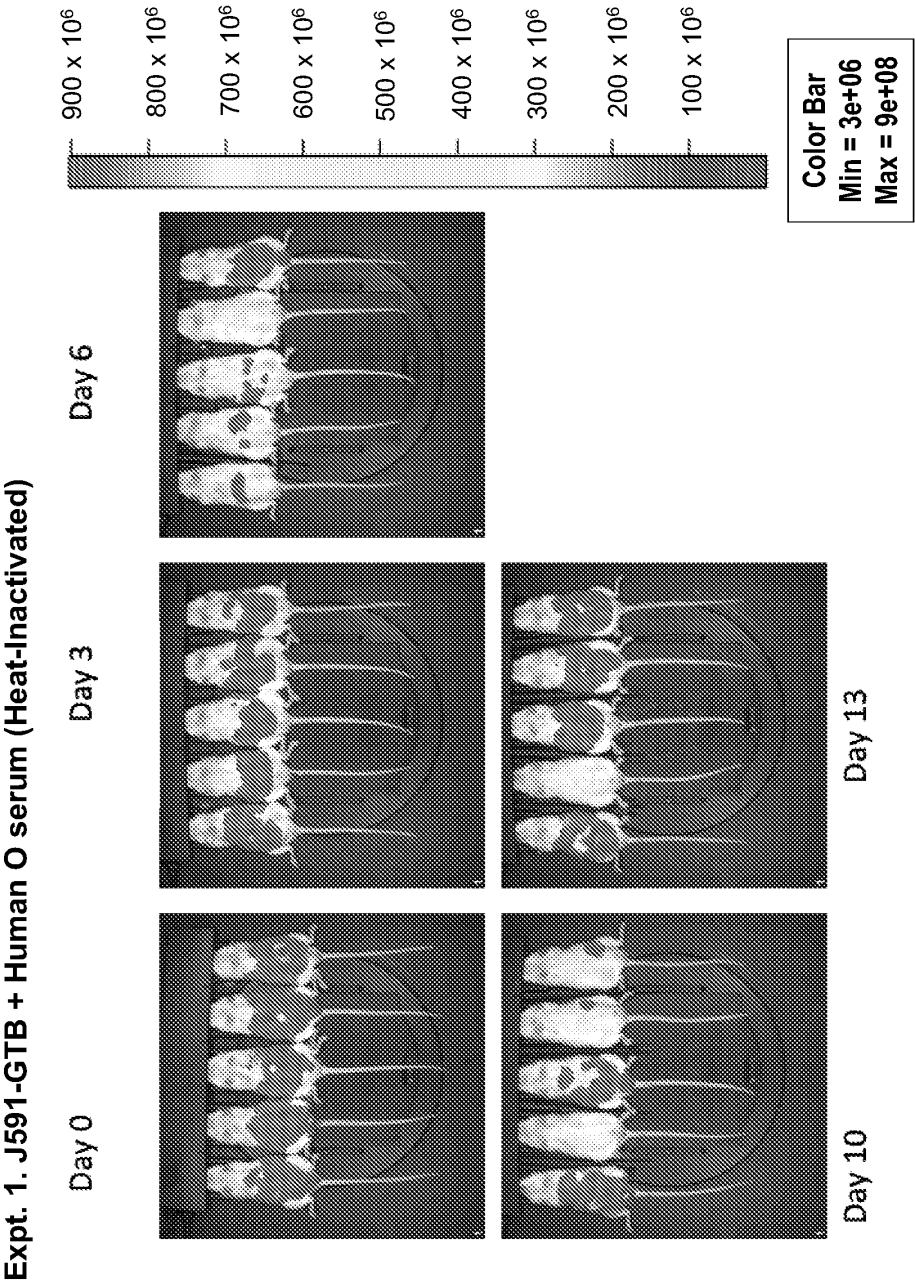


FIG. 14A (continued)

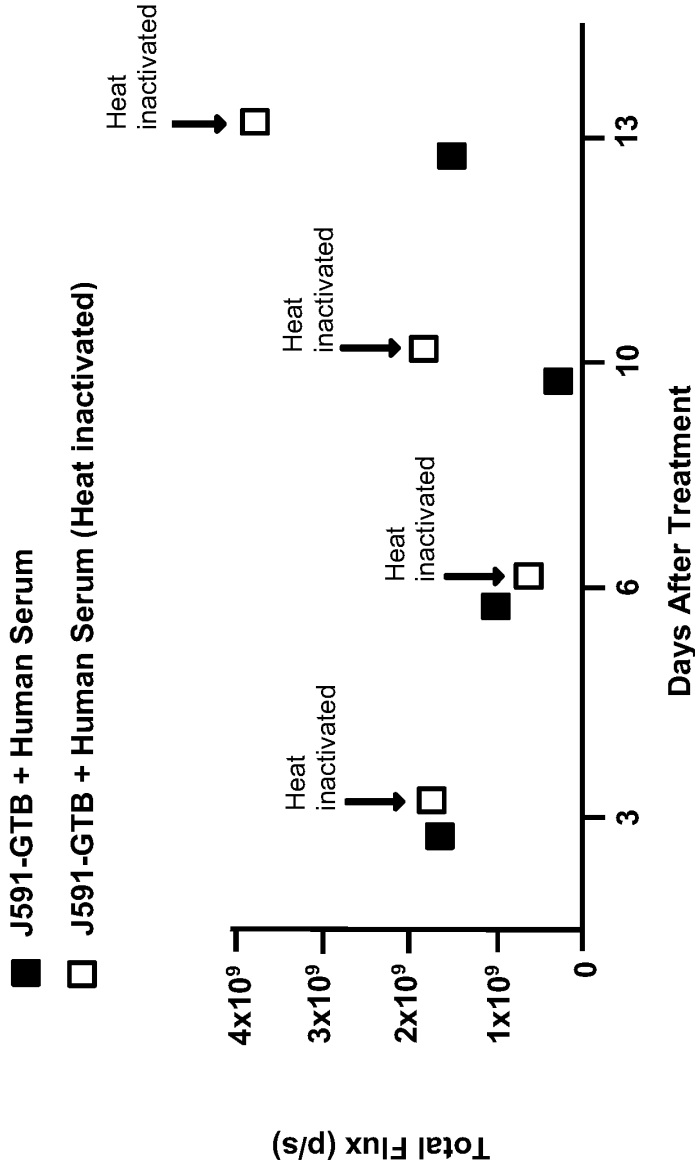


FIG. 14B

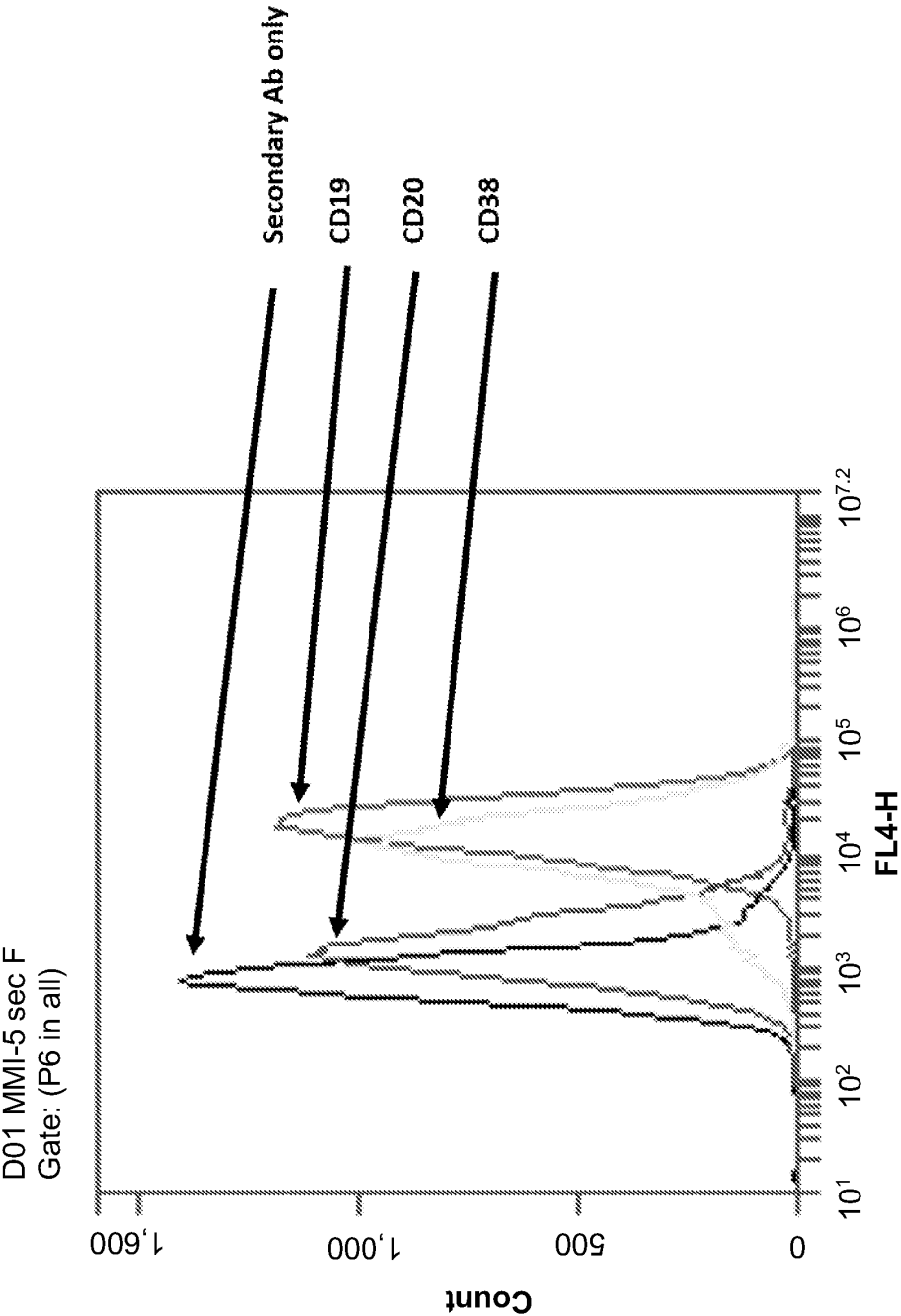


FIG. 15

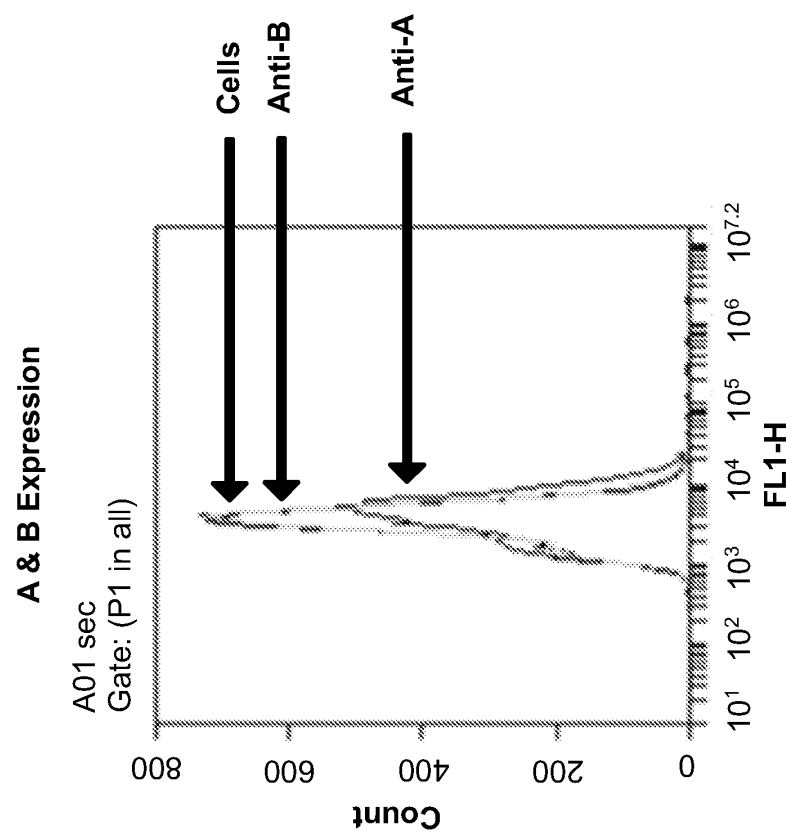


FIG. 16A

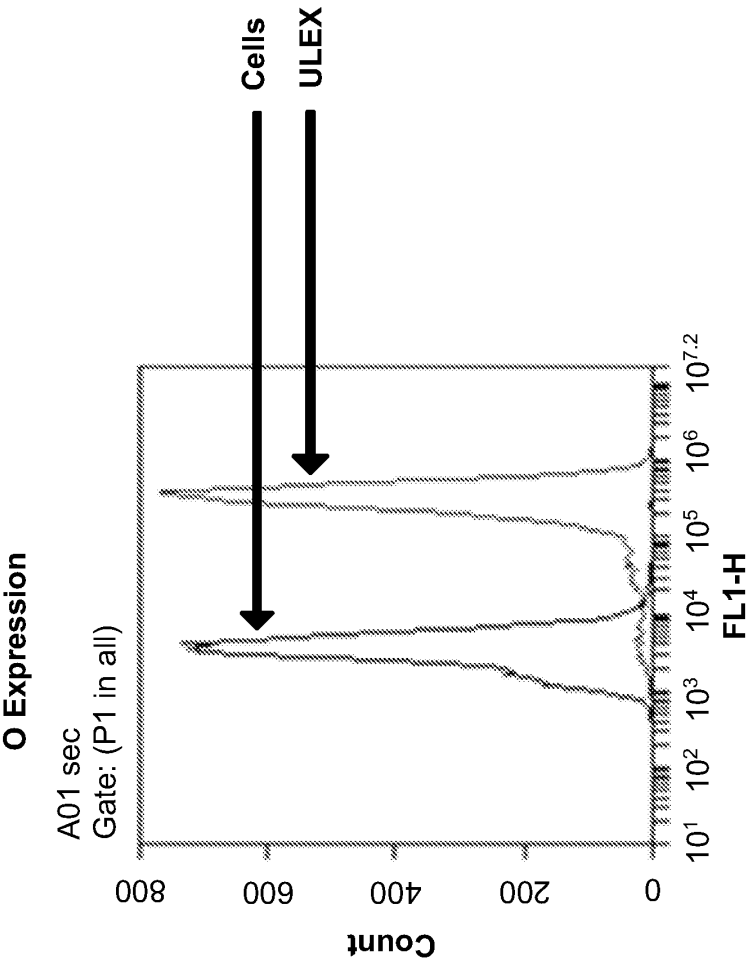


FIG. 16B

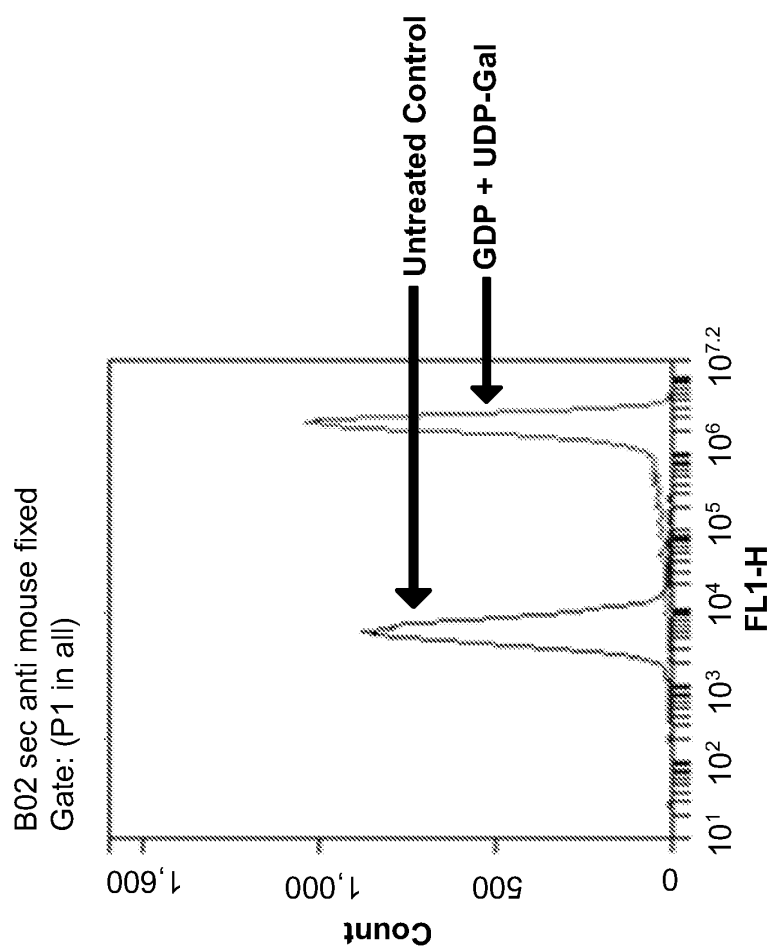
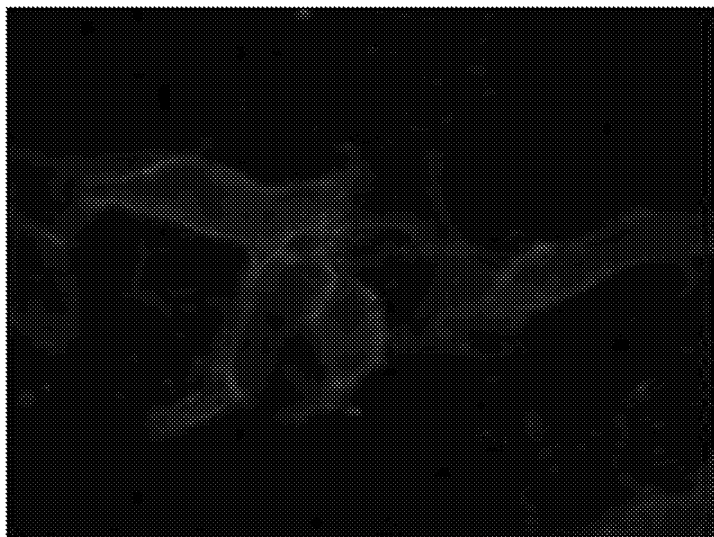


FIG. 17

GTB ONLY



ACUPA-PEG-1500-GTB

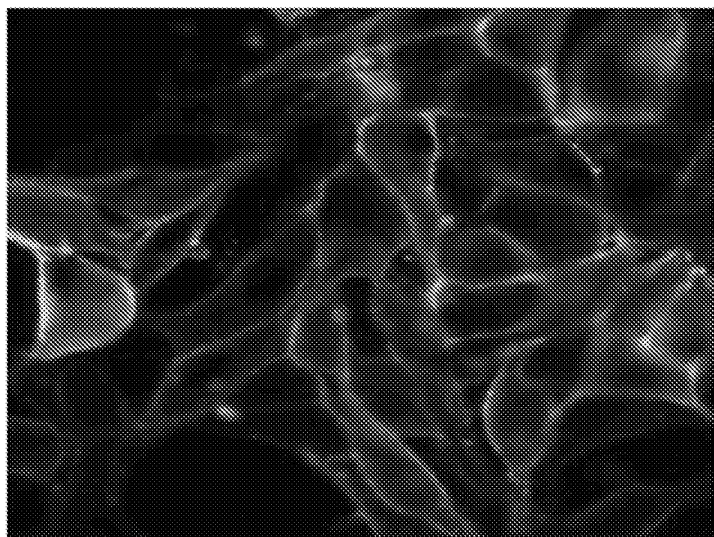


FIG. 18

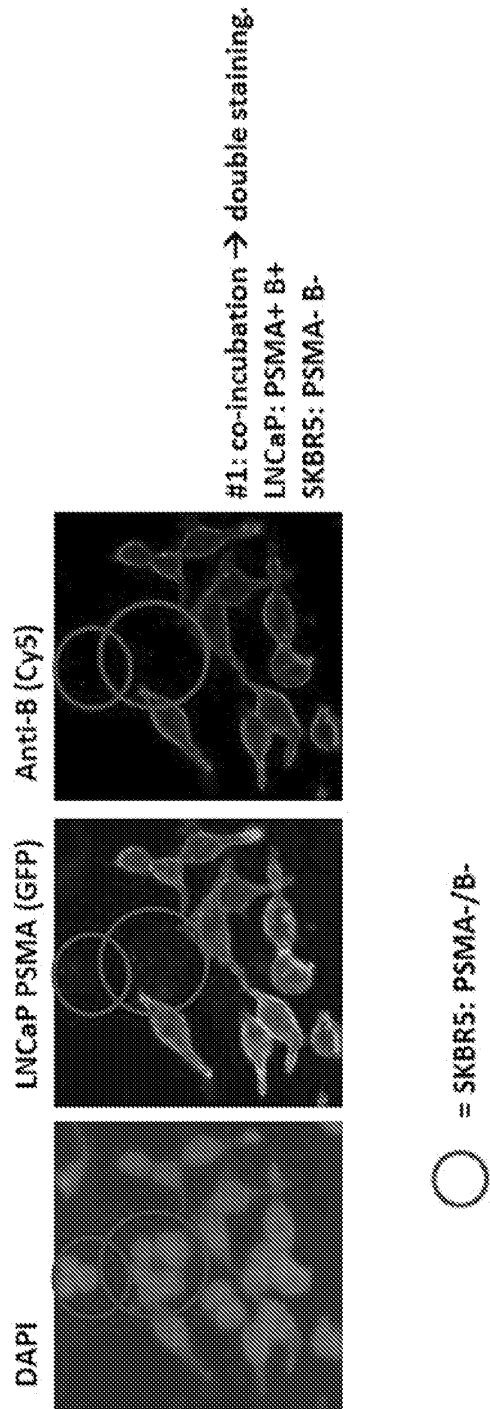


FIG. 19

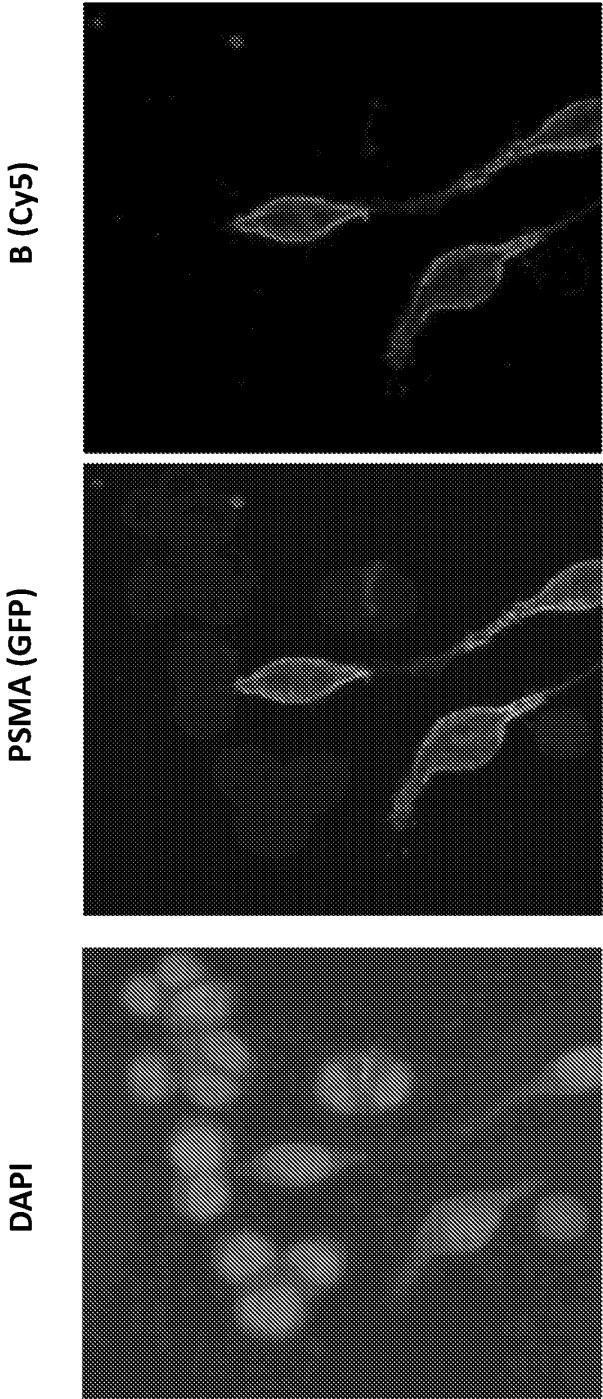


FIG. 20

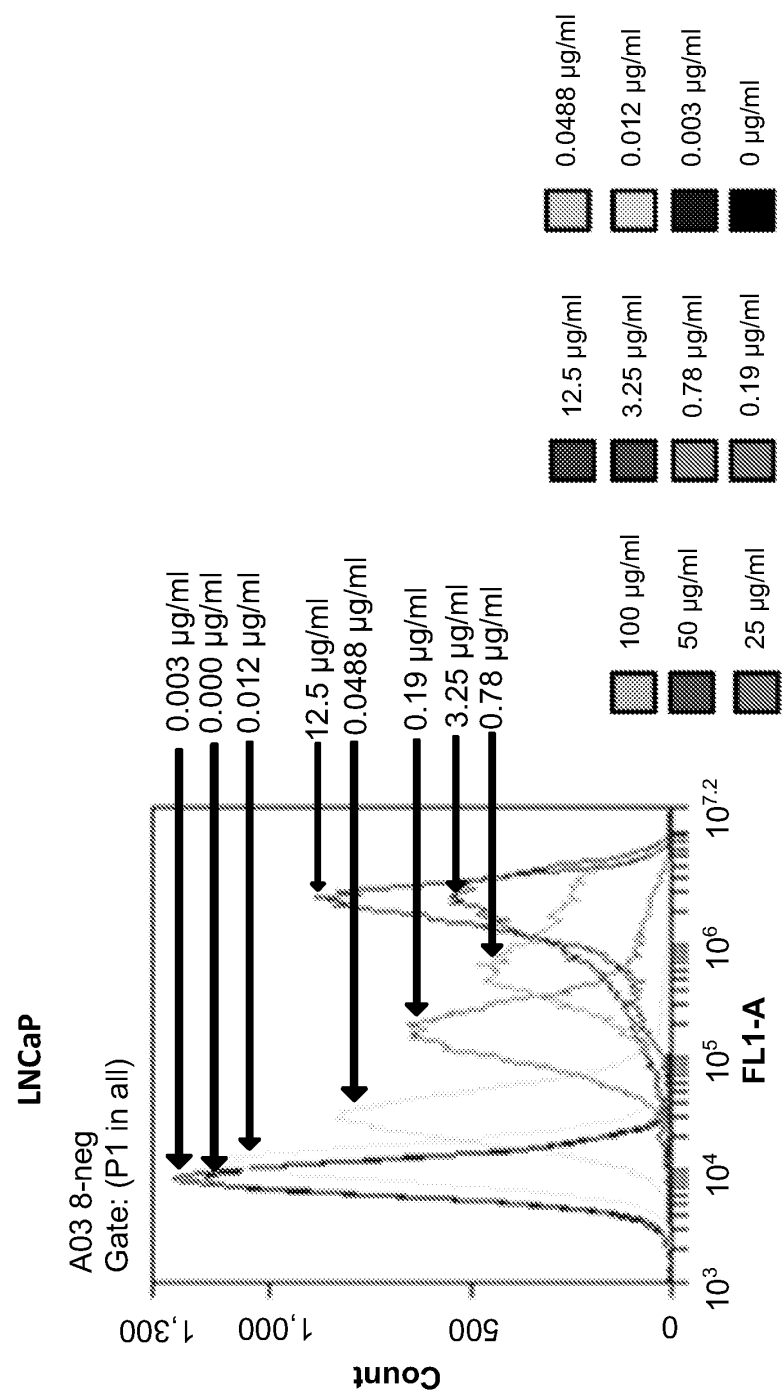


FIG. 21A

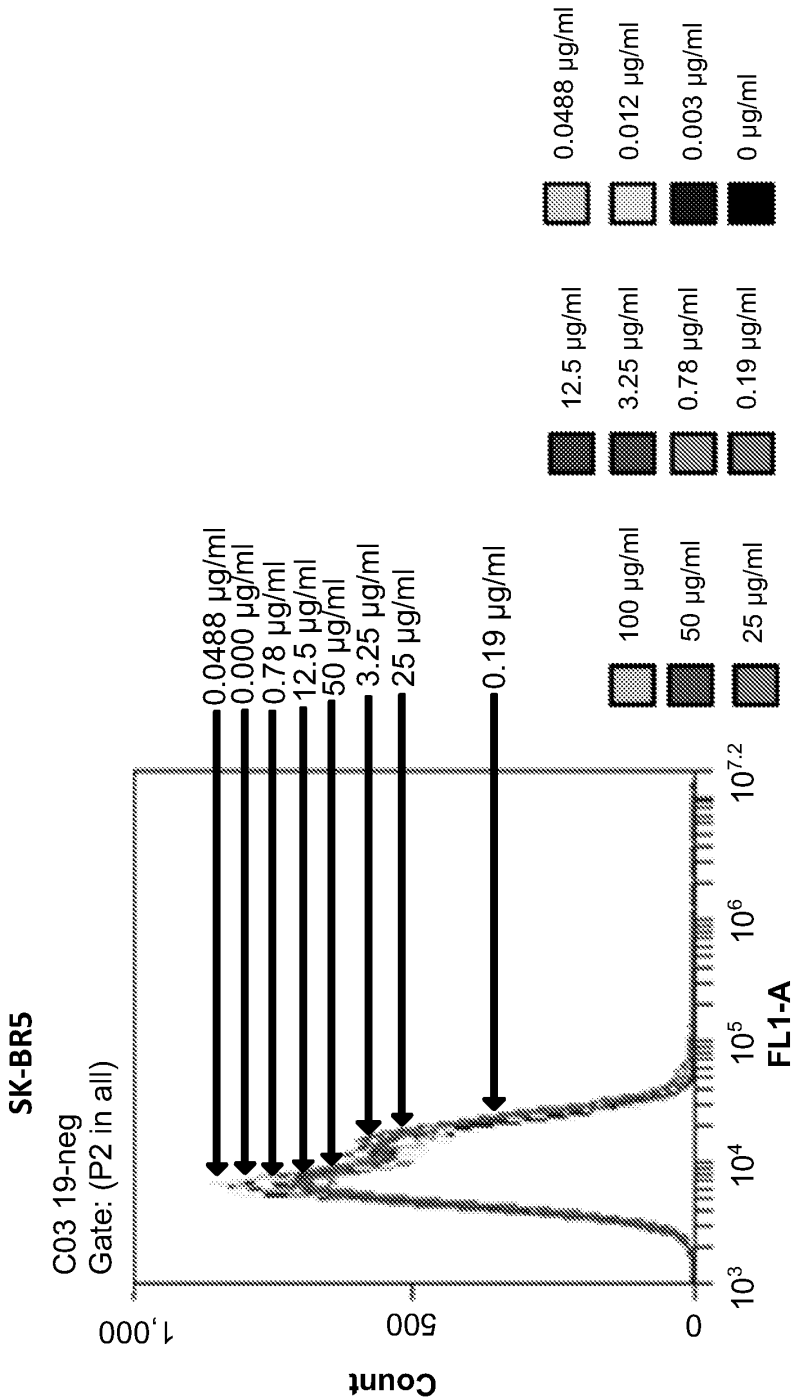


FIG. 21B

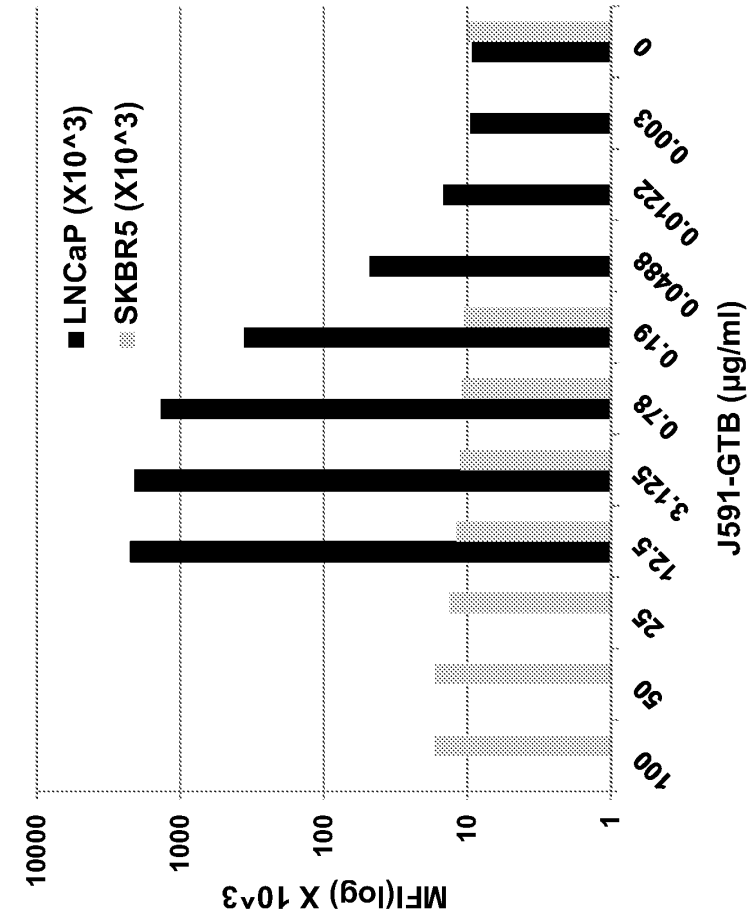
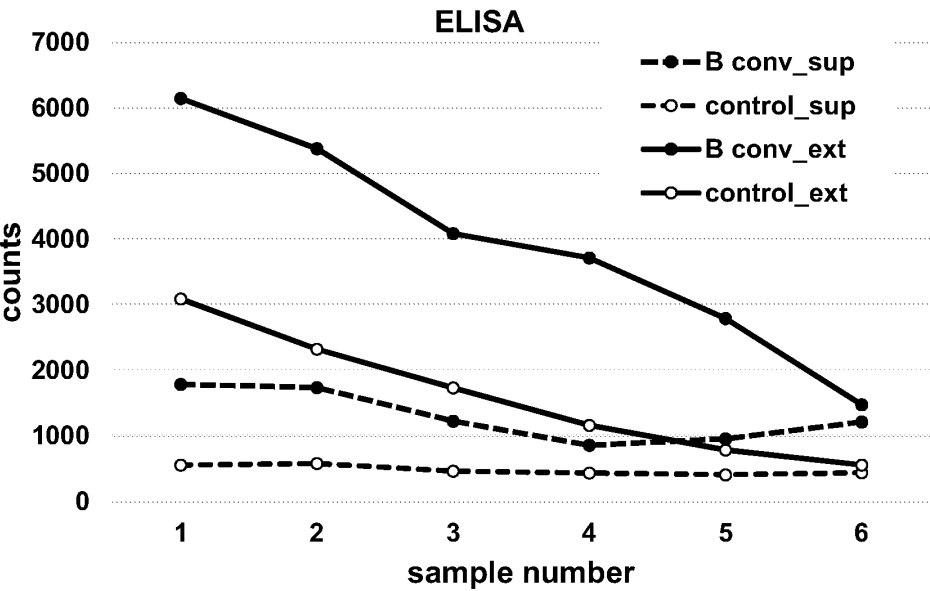


FIG. 22

Y axis : logarithmic scale			
HC67GTB (ug/ml)	LNCaP (X10^3)	SKBR5 (X10^3)	
100	16.9	16.6	
50		13.3	
25	2198	11.9	
12.5	2062	11.2	
3.125	1362	11	
0.78	359	10.7	
0.1953	47.9		
0.0488	14.6		
0.0122	9.6		
0.003	9.3		
0		9.8	



Supernatant Dilution	1:2	1:4	1:8	1:16	1:32	1:64
B conversion_spent media	1786	1739	1227	857	955	1215
Control_spent media	556	580	464	437	409	441
Extracts dilution	1:4	1:8	1:16	1:32	1:64	1:128
B conv._cellular extract	6146	5380	4085	3714	2792	1475
Control_cellular extract	3089	2323	1734	1162	788	557

FIG. 23

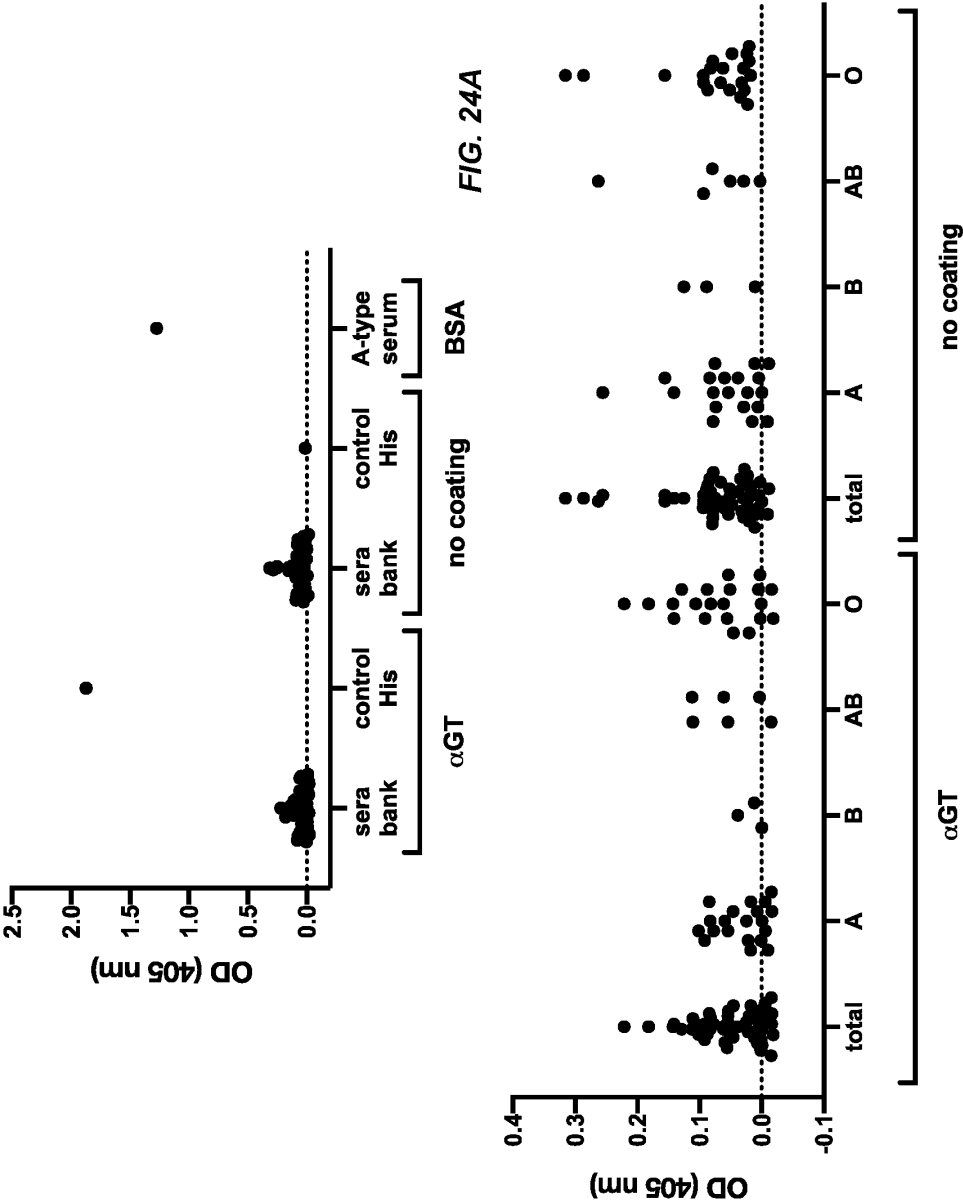


FIG. 24B

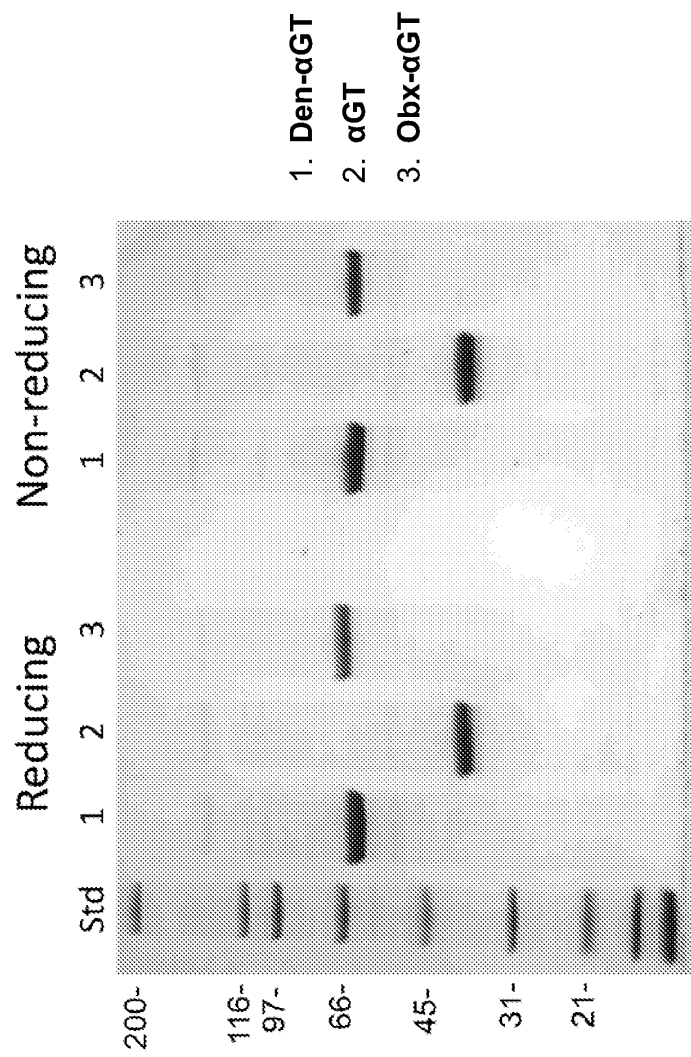
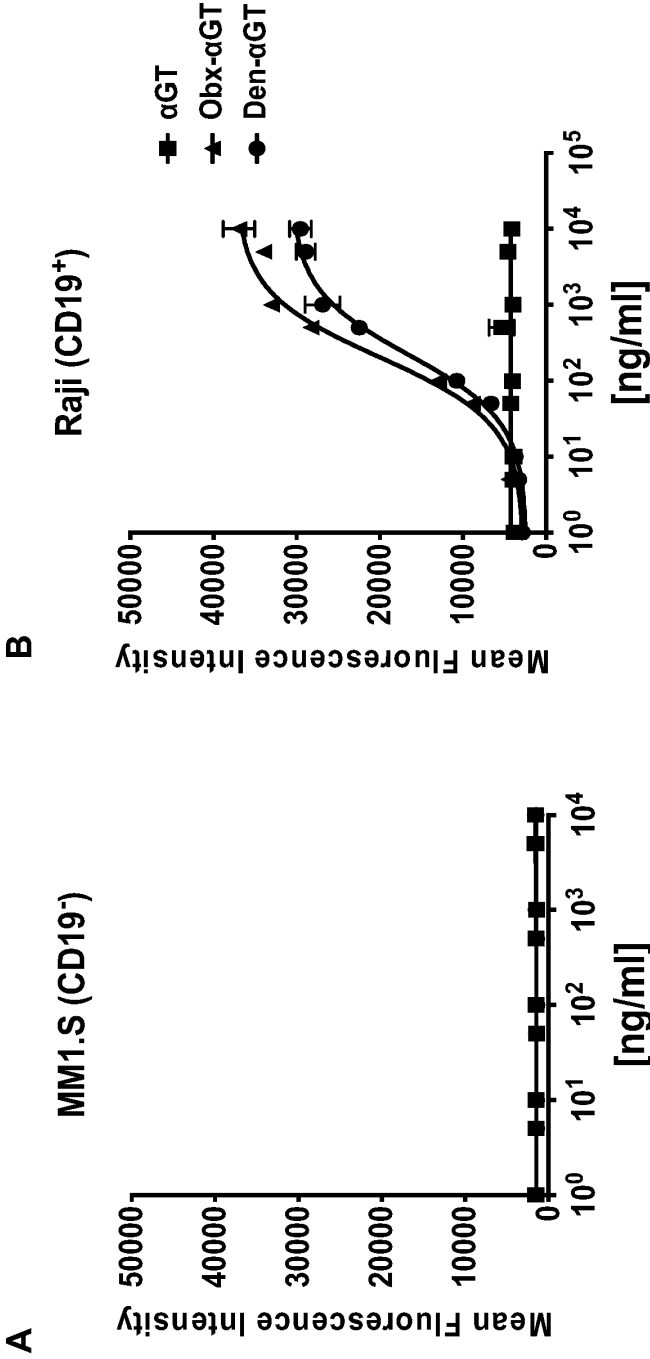


FIG. 25



FIGs. 26A-26B

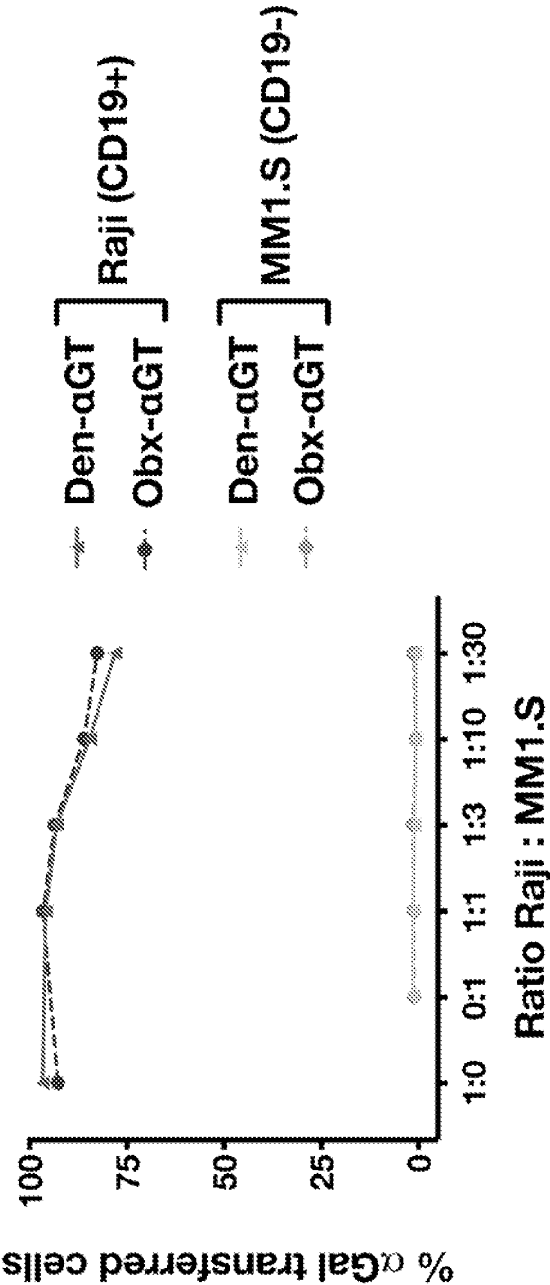
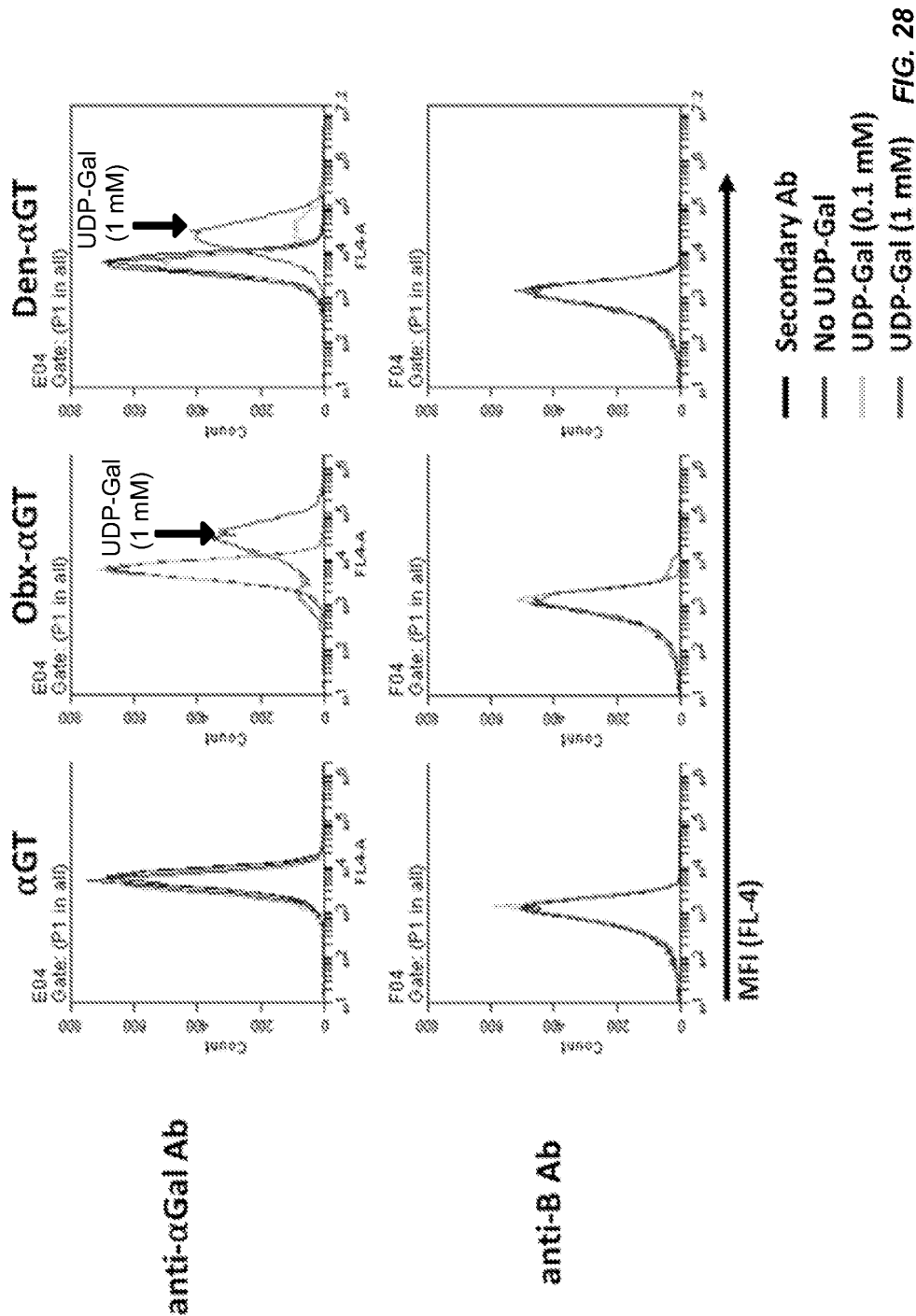


FIG. 27



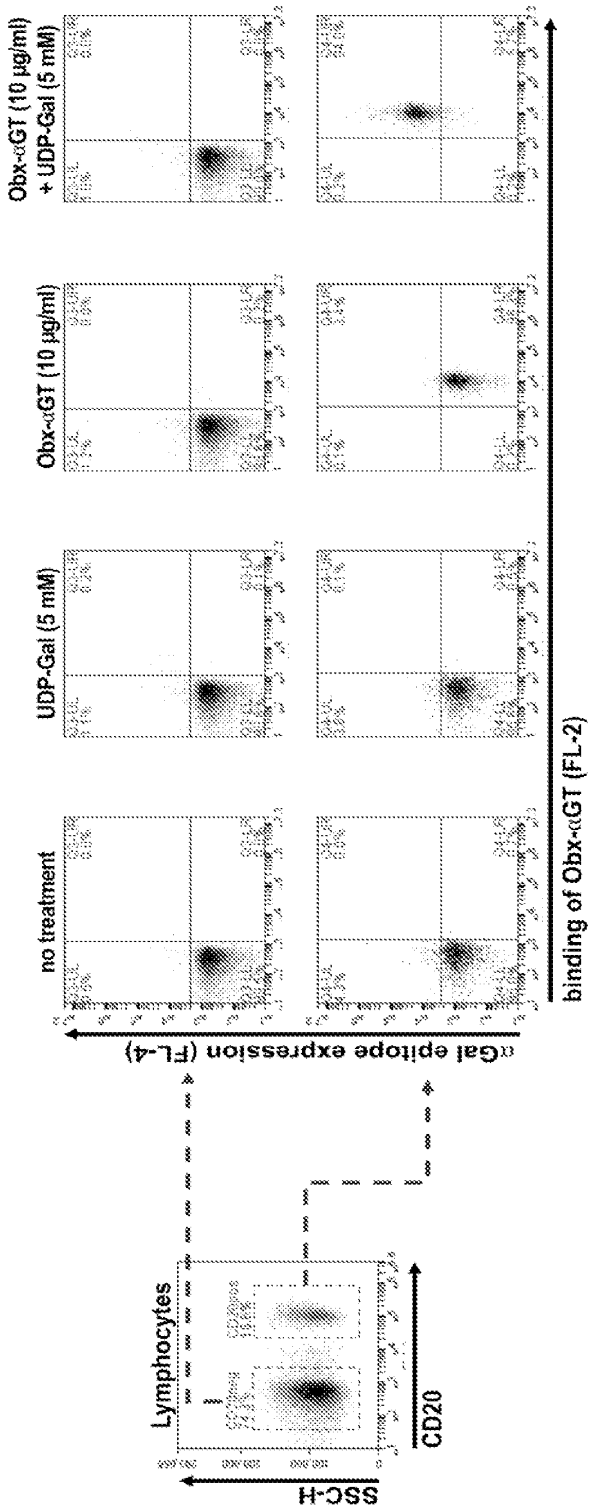


FIG. 29

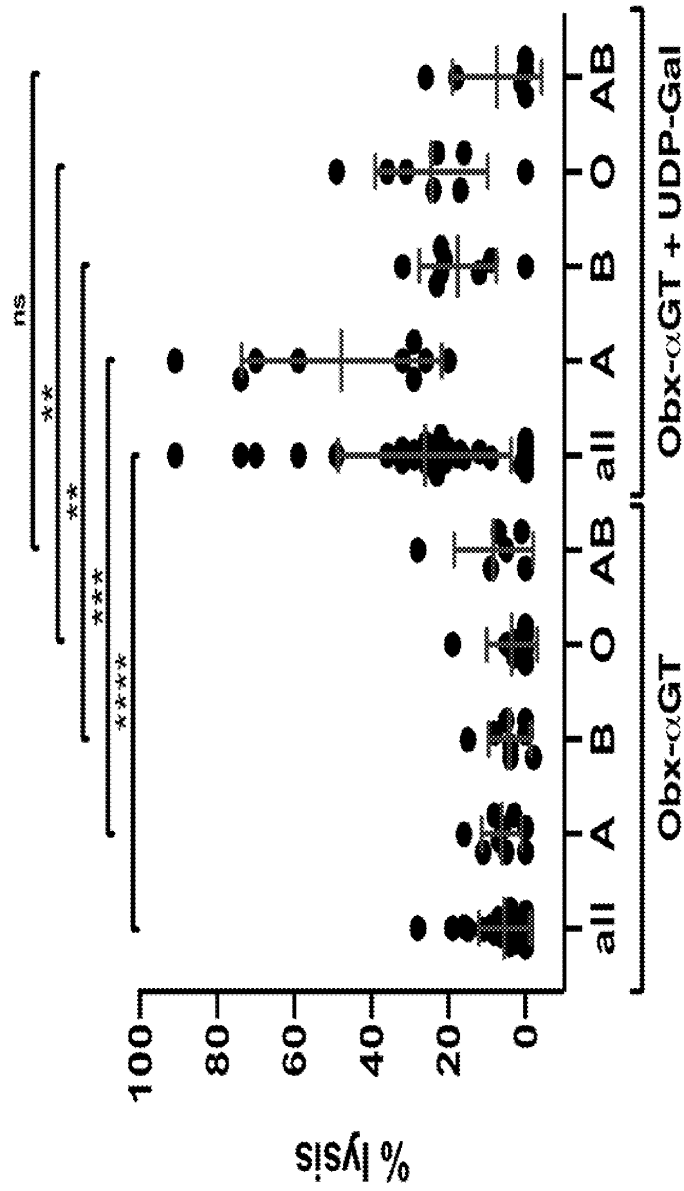
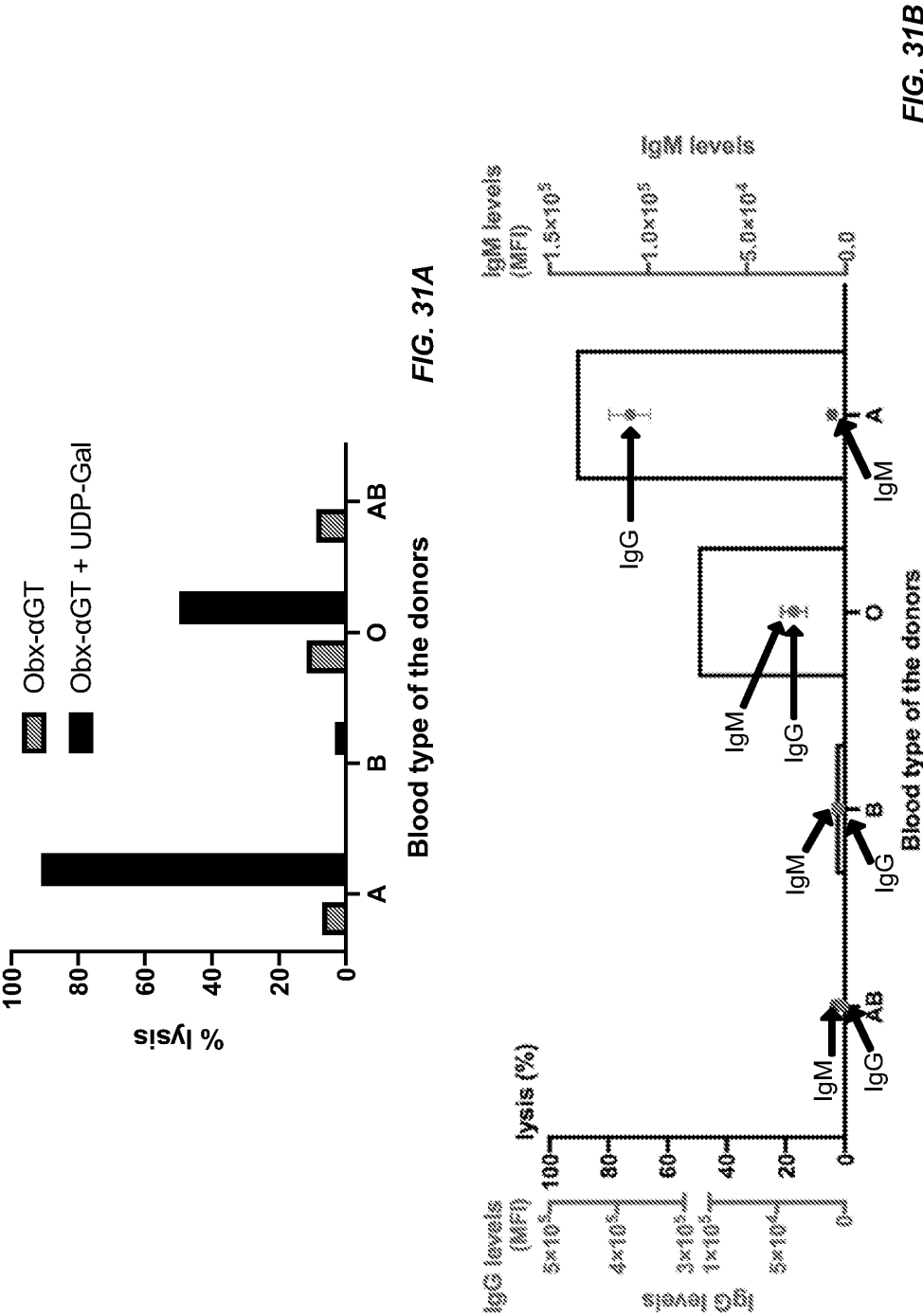


FIG. 30



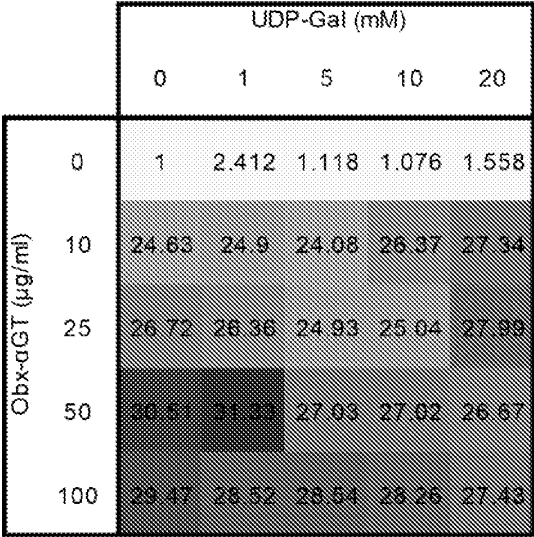


FIG. 32A

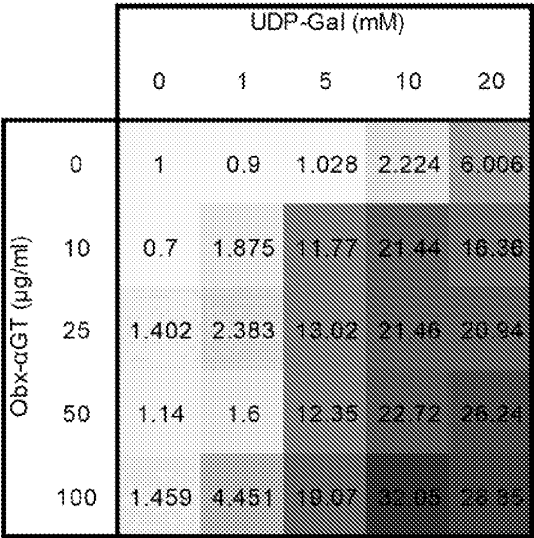


FIG. 32B

		UDP-Gal (mM)				
		0	1	5	10	20
Obx-αGT (μg/ml)	0	100%	99%	89%	81%	41%
	10	73%	37%	5%	5%	4%
	25	77%	27%	8%	16%	18%
	50	91%	57%	45%	41%	23%
	100	99%	60%	68%	50%	34%

FIG. 32C

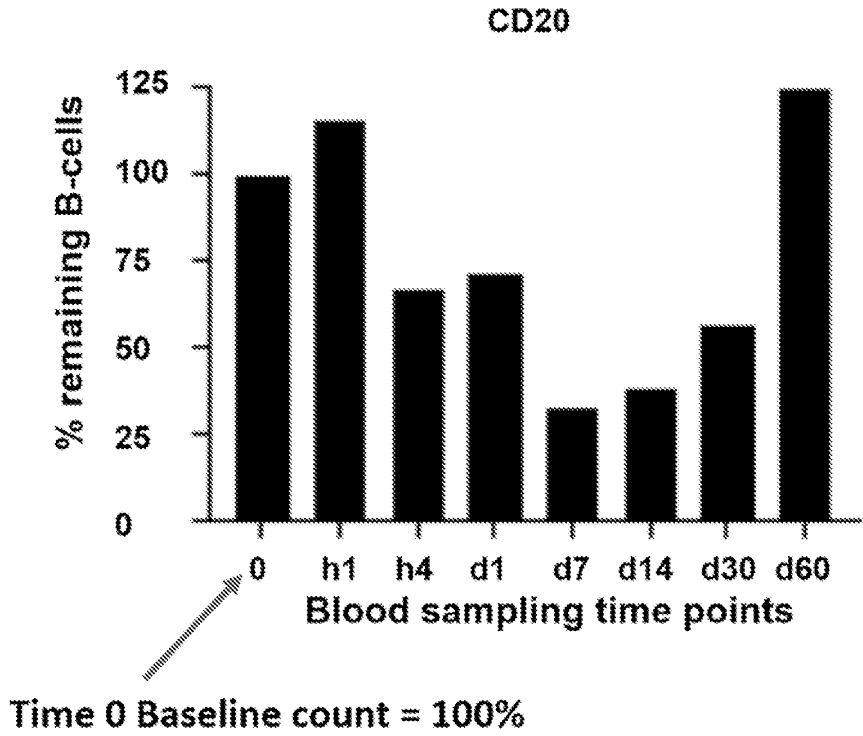


FIG. 33