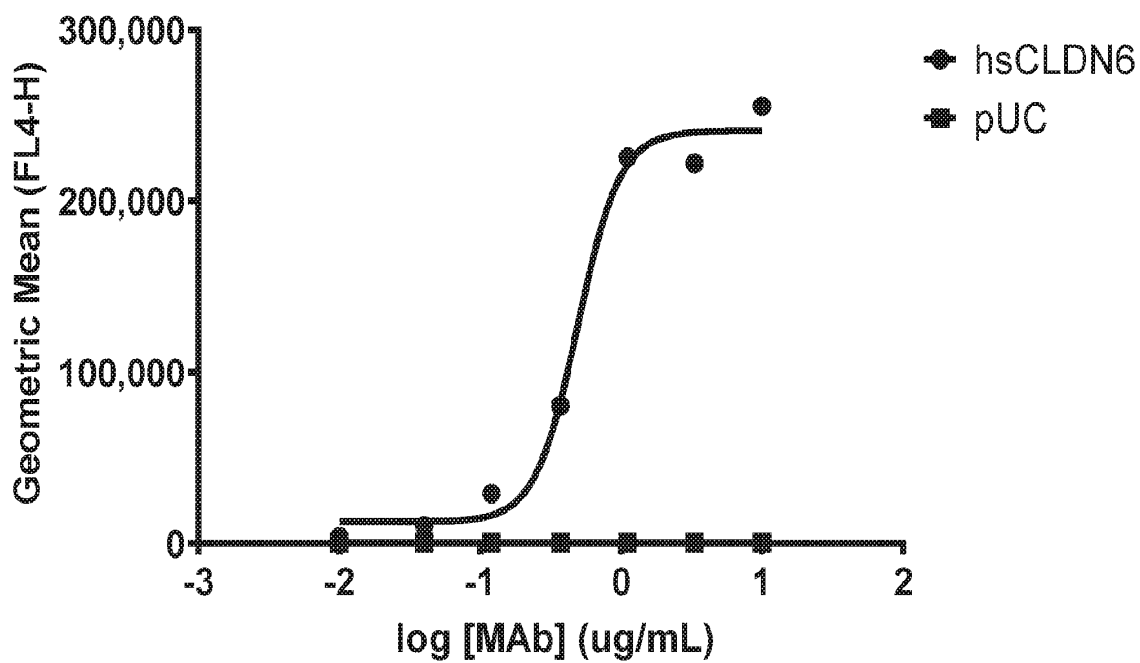
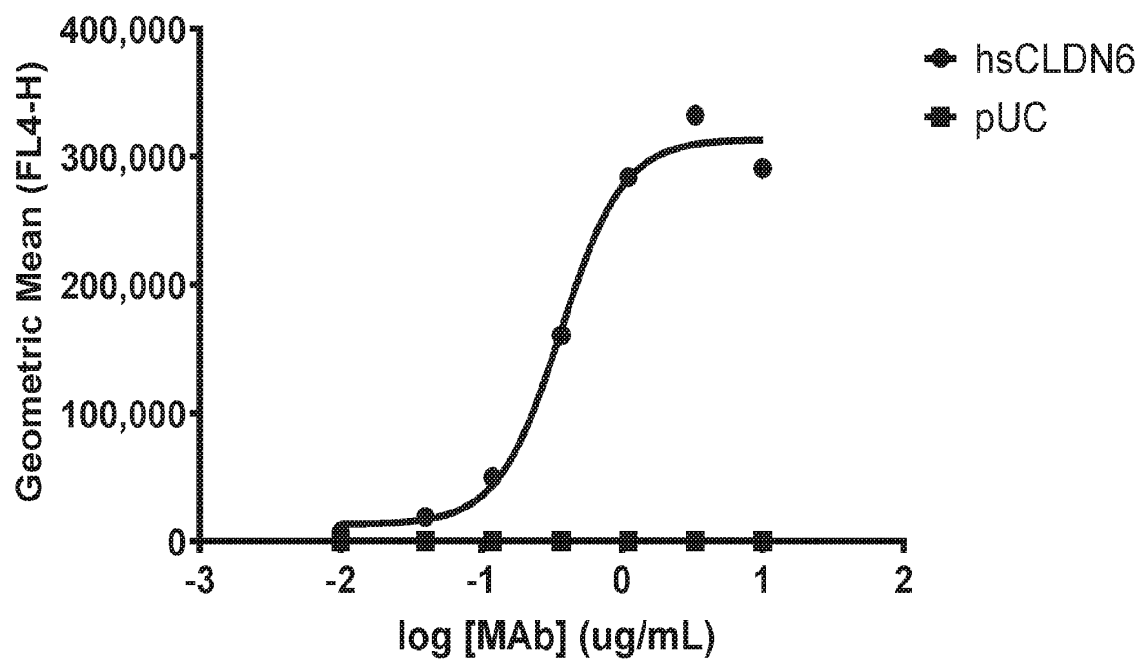


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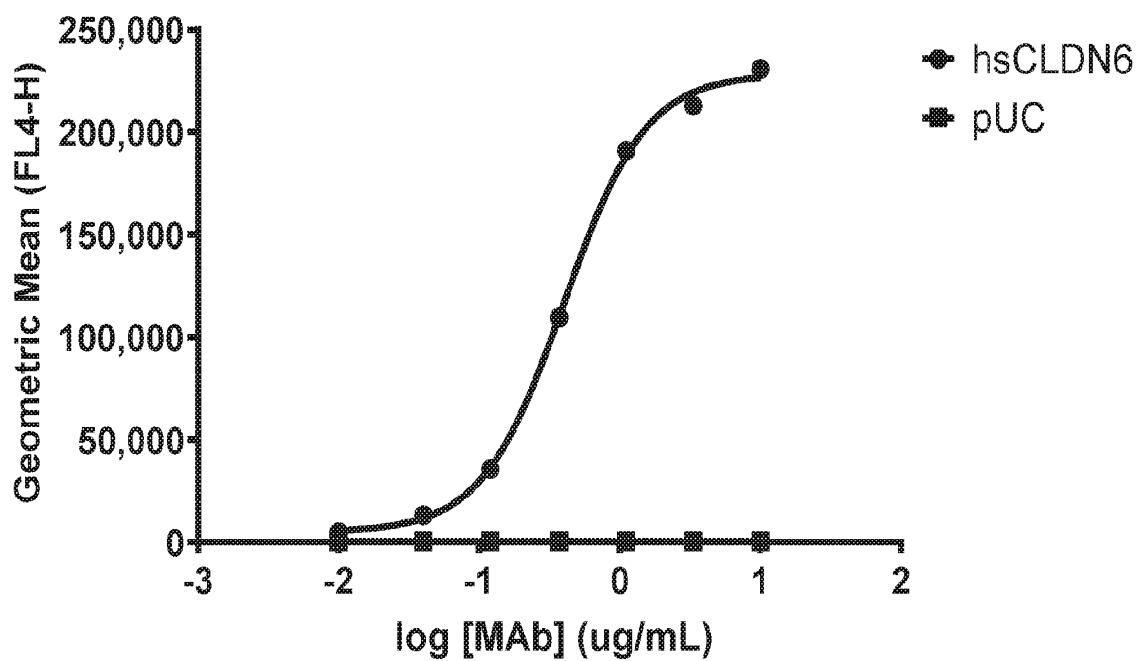
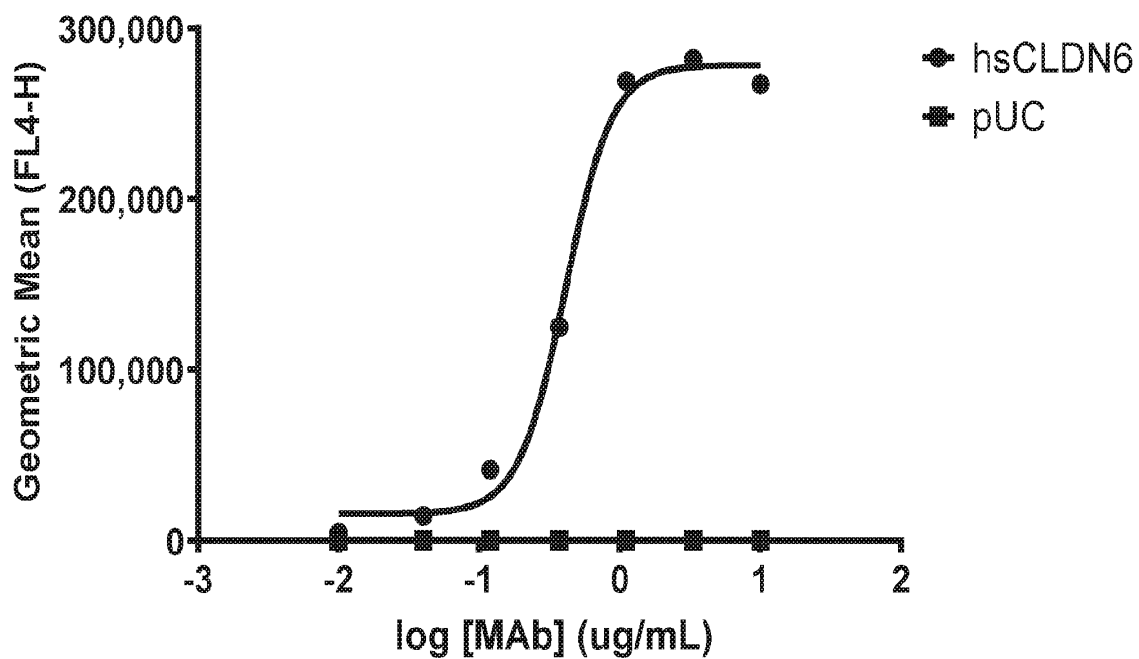
FIG. 1

IM-136**IM-172**

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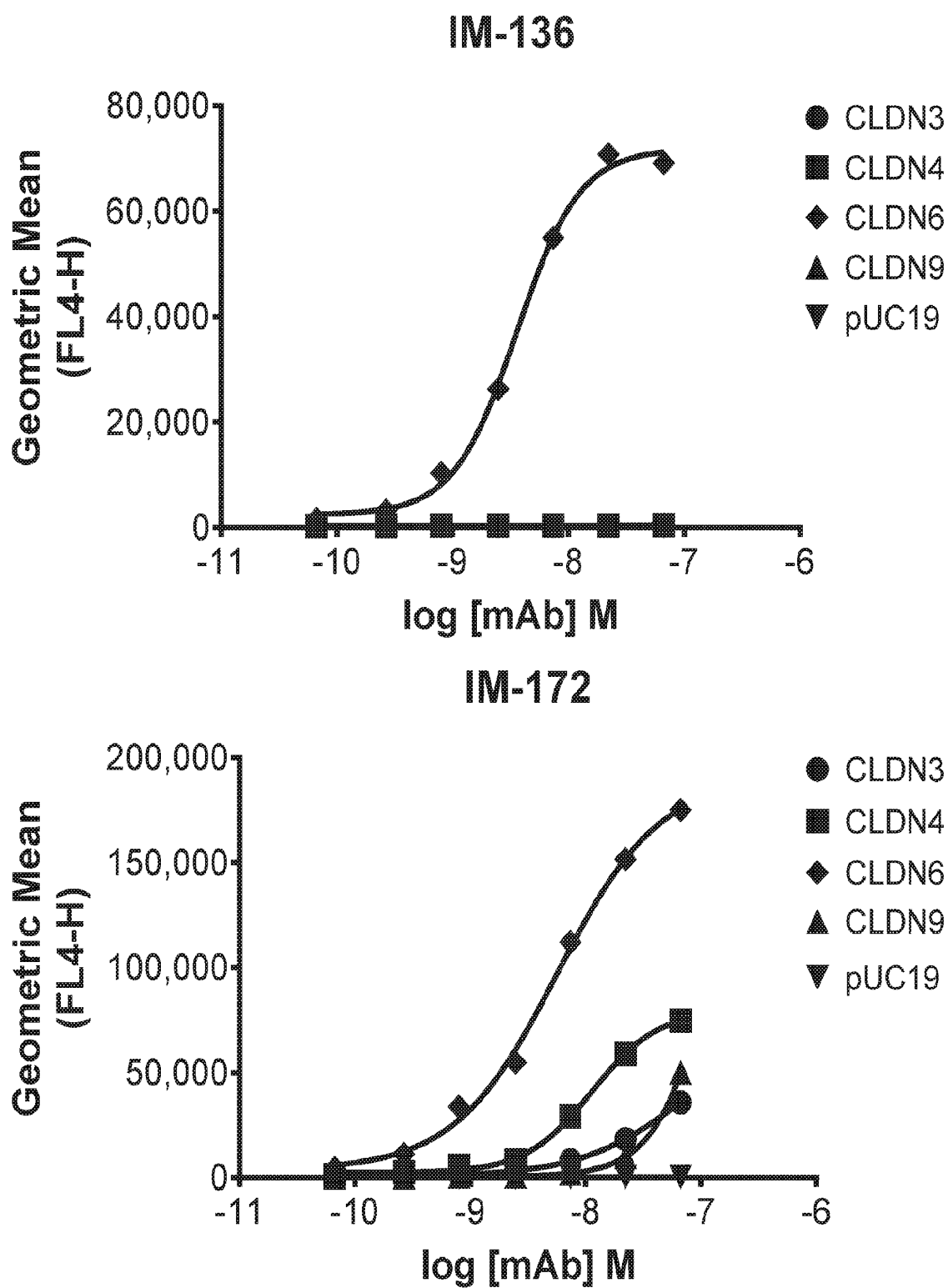
FIG. 1 CONT.

IM-171**IM-173**

SUBSTITUTE SHEET (RULE 26)

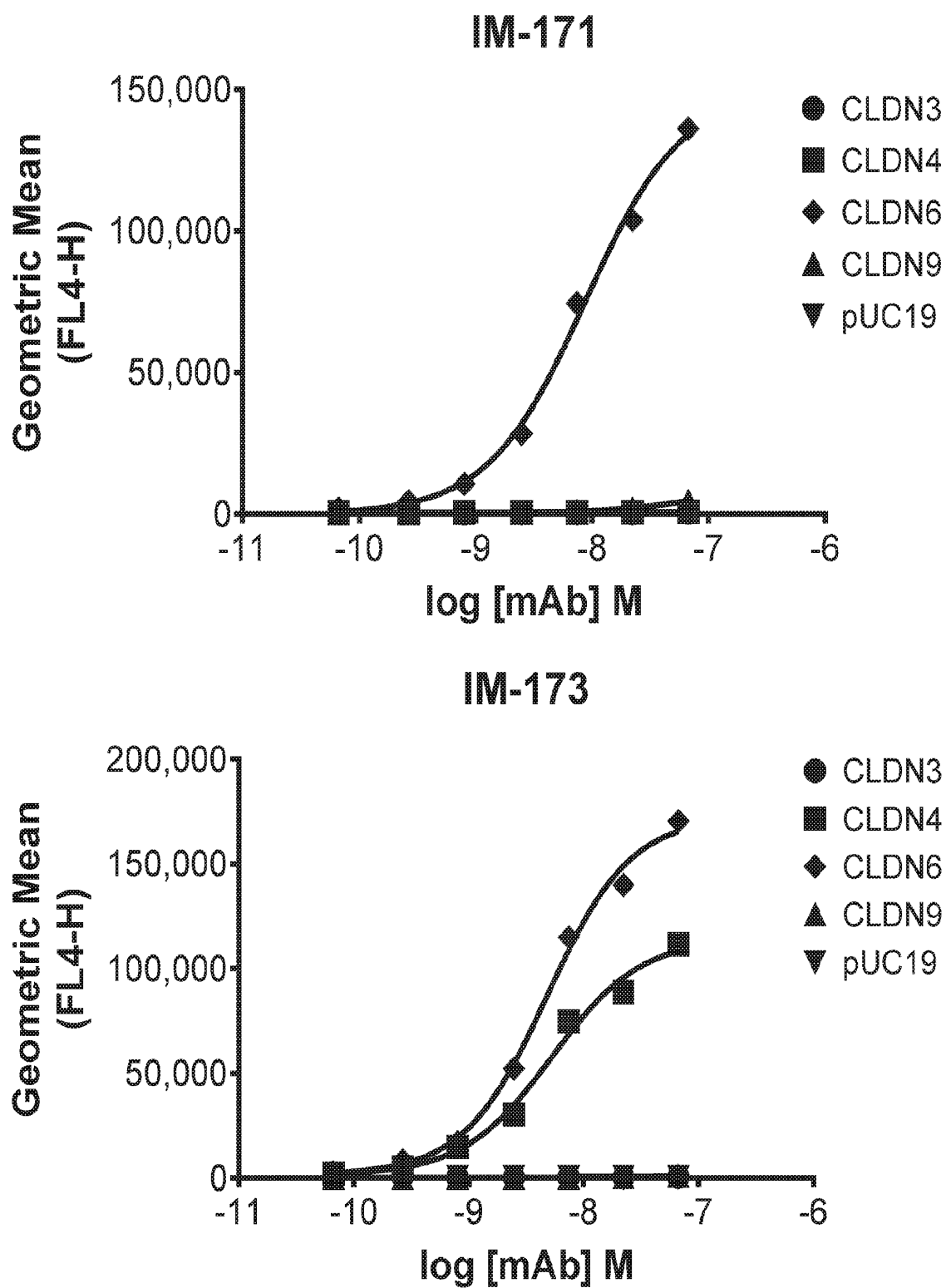
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FIG. 2



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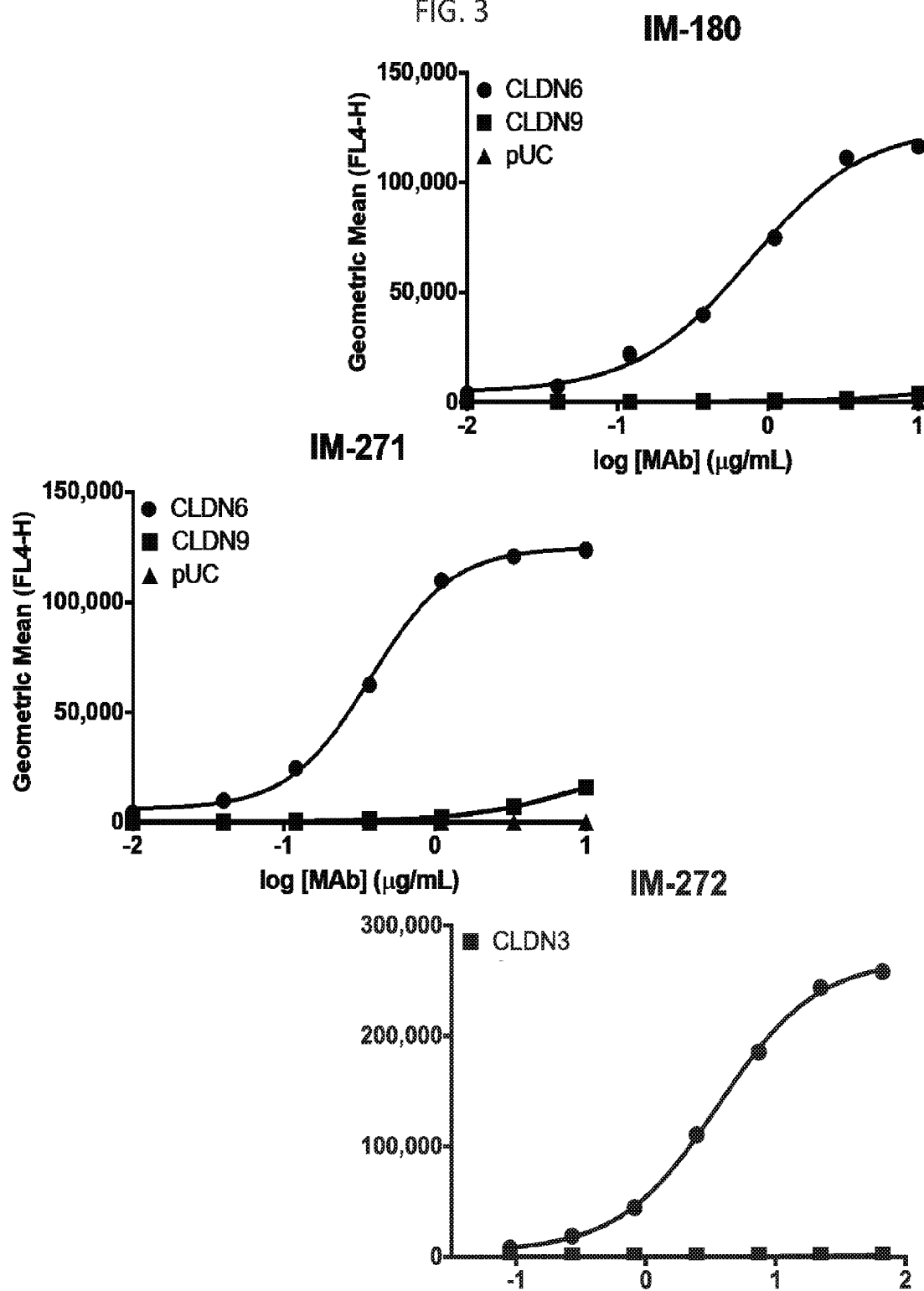
FIG. 2 CONT.



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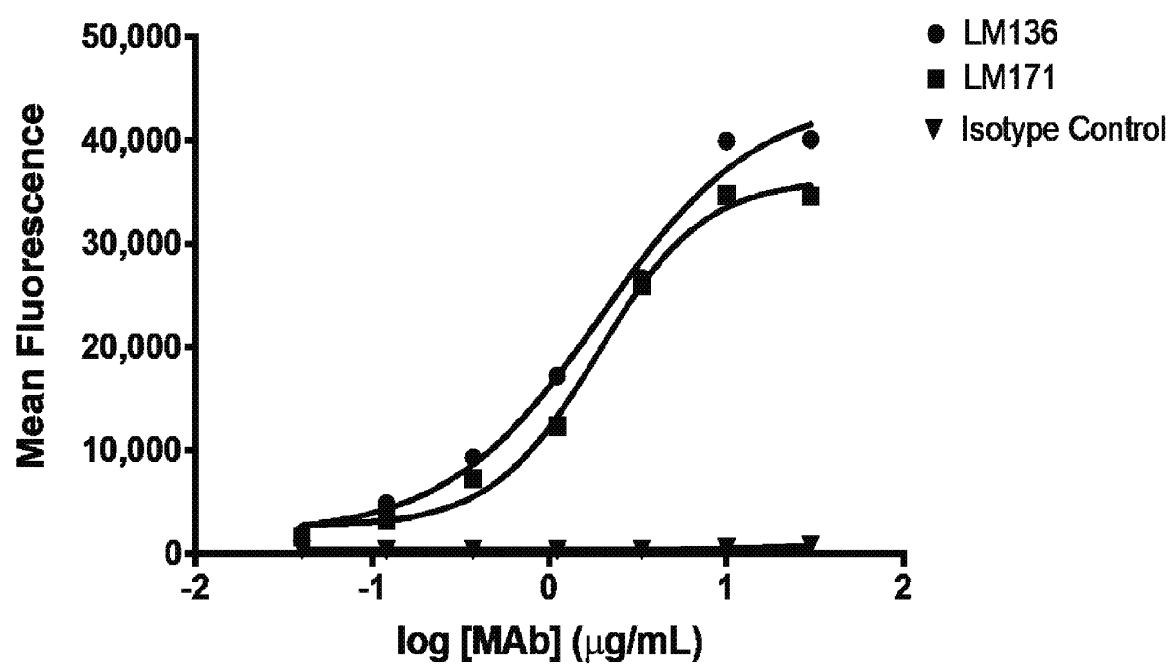
FIG. 3



SUBSTITUTE SHEET (RULE 26)

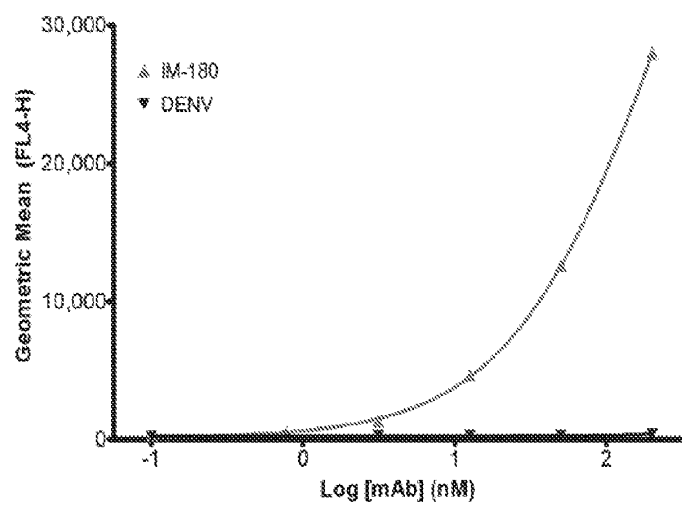
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FIG. 4

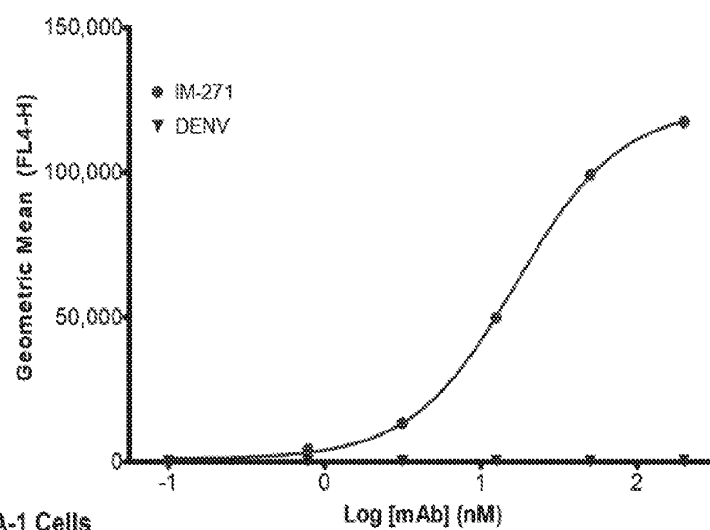


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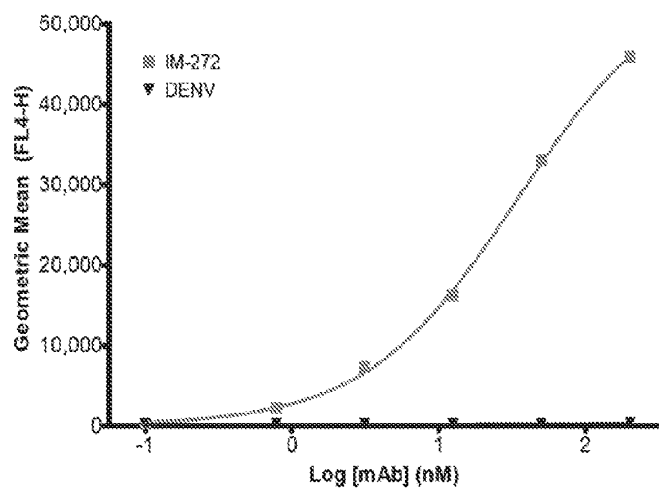
PA-1 Cells FIG. 5



PA-1 Cells



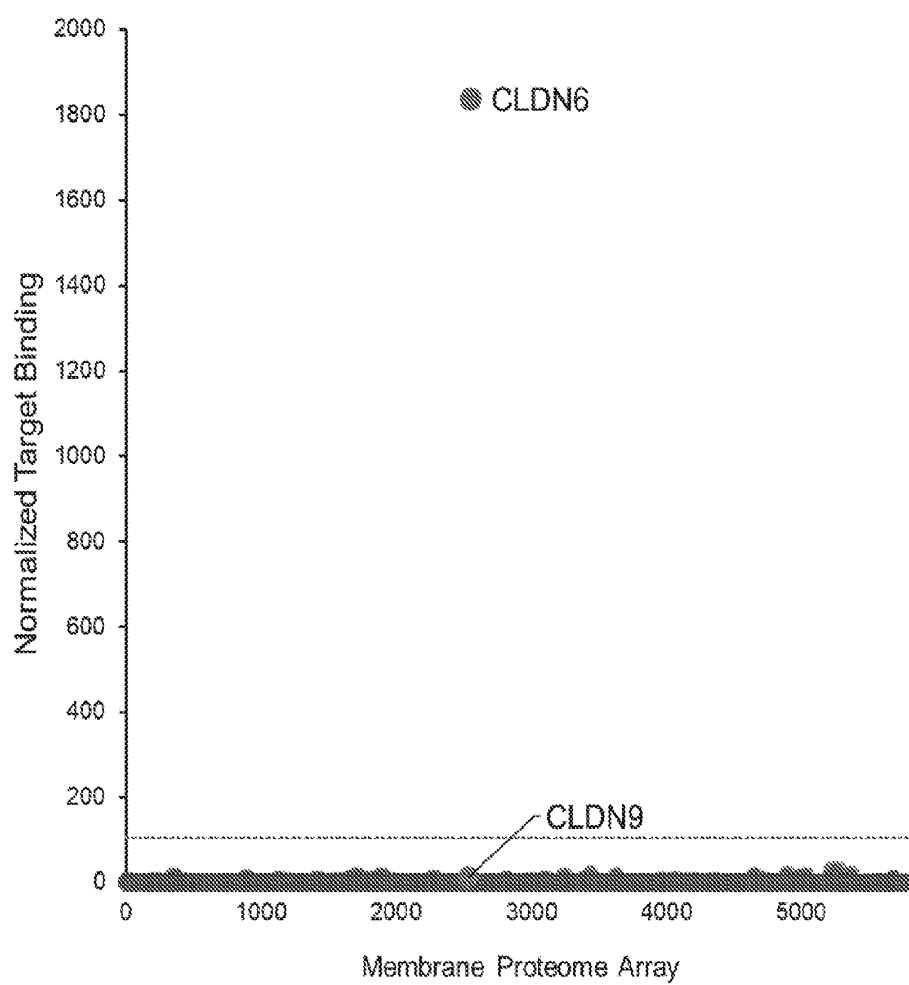
PA-1 Cells



SUBSTITUTE SHEET (RULE 26)

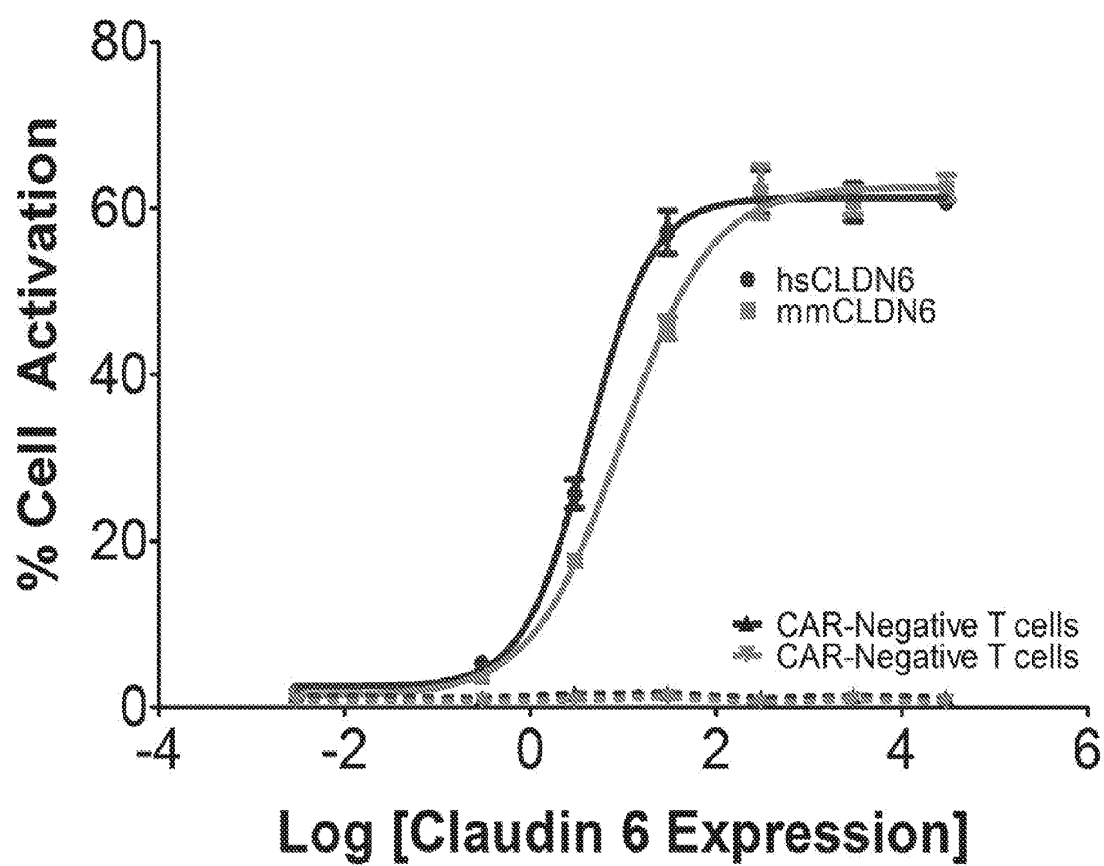
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FIG. 6



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FIG. 7



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FIG. 8

Binding Reactivity (% WT)						
Mutation	3001-D5 MAb	LM136 MAb	LM171 MAb	LM172 Fab	LM173 MAb	3656 MAb
T33A	356.9 (20)	202.4 (128)	22.8 (4)	71.3 (38)	116.2 (12)	130.6 (2)
N38A	57.2 (7)	78.4 (37)	22.4 (12)	3.1 (30)	86.0 (6)	90.3 (8)
V45A	12.3 (1)	85.0 (35)	88.4 (36)	250.0 (101)	76.1 (10)	108.7 (2)
E48A	11.1 (1)	5.3 (7)	0.9 (1)	-10.7 (34)	-0.5 (2)	151.3 (9)
Y67A	5.9 (2)	44.2 (14)	97.2 (11)	-4.0 (26)	28.8 (5)	167.6 (39)
D68A	235.2 (74)	10.2 (6)	93.7	563.4 (482)	89.6 (4)	120.1 (33)
P74A	27.7 (4)	26.5 (11)	37.5 (16)	-0.1 (16)	147.1 (32)	164.0 (12)
D76A	49.2 (17)	17.9 (1)	6.0 (1)	2.2 (19)	76.8 (11)	64.3 (0)
Q78A	22.0 (0)	170.0 (42)	150.7 (106)	69.2 (52)	143.9 (20)	130.6 (36)
D146A	61.4 (21)	91.0 (7)	57.6 (1)	10.3 (13)	119.2 (23)	113.0 (6)
V152A	121.1 (41)	134.7 (86)	128.7 (46)	17.5 (36)	58.2 (10)	106.9 (22)
A153S	151.4	134.6 (58)	24.0 (16)	107.6 (80)	113.3 (11)	105.2 (1)
E154A	45.1 (20)	142.6 (51)	4.0 (0)	18.7 (22)	133.8 (27)	101.6 (36)
Q156A	179.2 (52)	190.5 (85)	102.5 (11)	2.0 (44)	0.9 (6)	150.9 (24)
Q156L	126.0 (64)	41.7 (26)	10.0 (3)	-11.8 (35)	10.7 (8)	72.5 (4)
R158A	82.0 (14)	1.3 (1)	1.3 (0)	1.3 (29)	3.6 (1)	167.4 (10)

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