

	Upper Hinge										Central Hinge										Lower Hinge									
IgG1	E	P	K	S	C	D	K	T	H	T	-	C	P	P	-	-	-	-	C	P	A	P	E	L	L	G	G	P		
IgG2	E	R	K	-	-	-	-	-	-	-	-	C	C	V	E	C	P	P	C	P	A	P	P	V	A	G	-	P		
IgG4	E	S	K	Y	G	-	-	-	-	P	P	C	P	S	-	-	-	-	C	P	A	P	E	F	L	G	G	P		

FIG. 1

A.

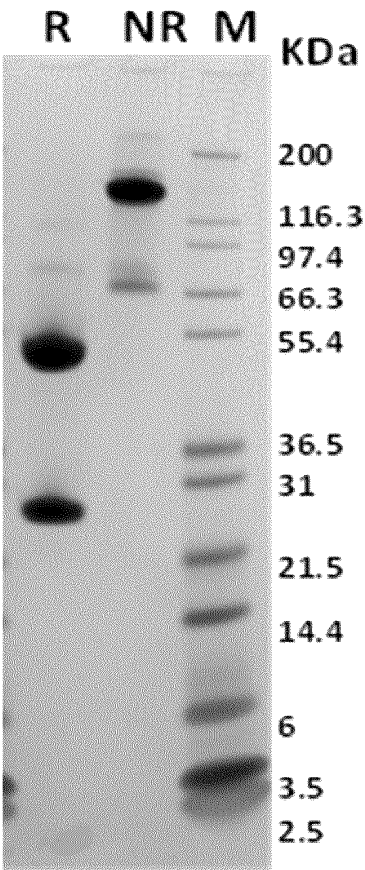


FIG. 2

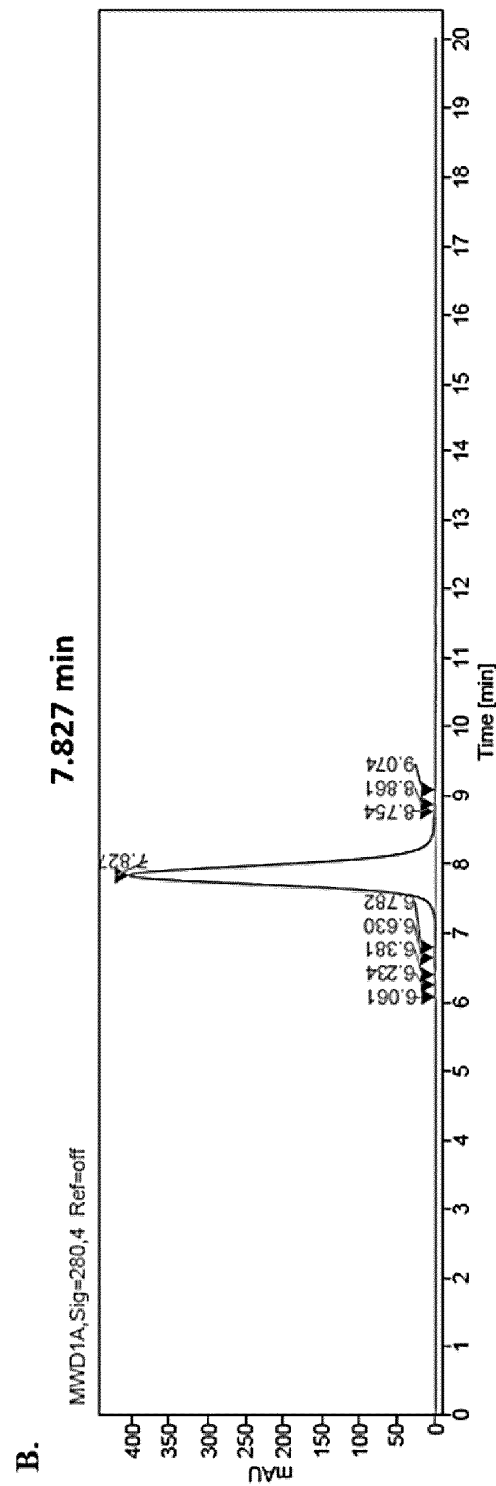


FIG. 2 (con.)

C.

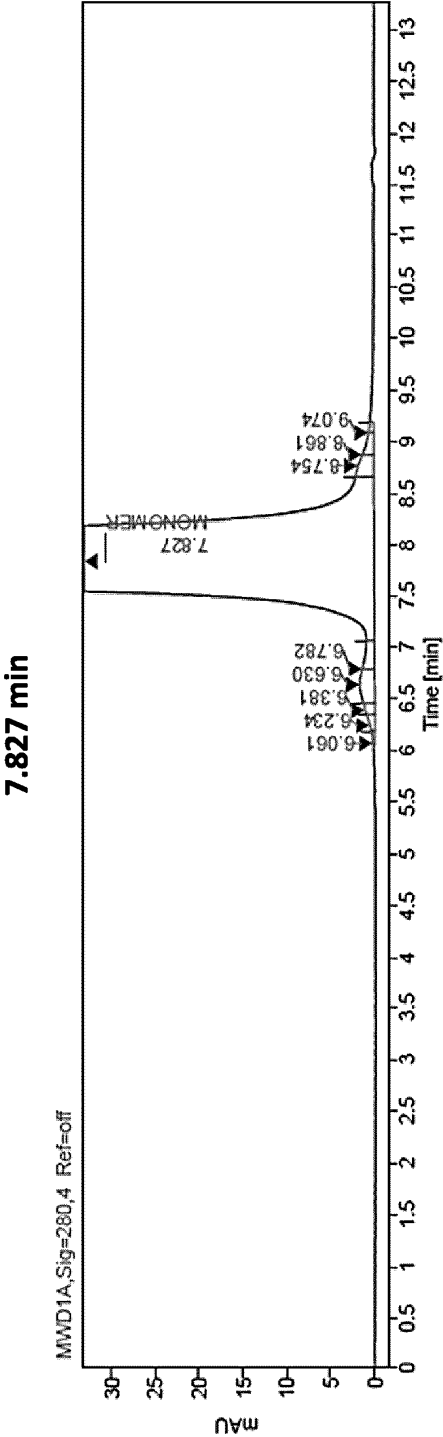
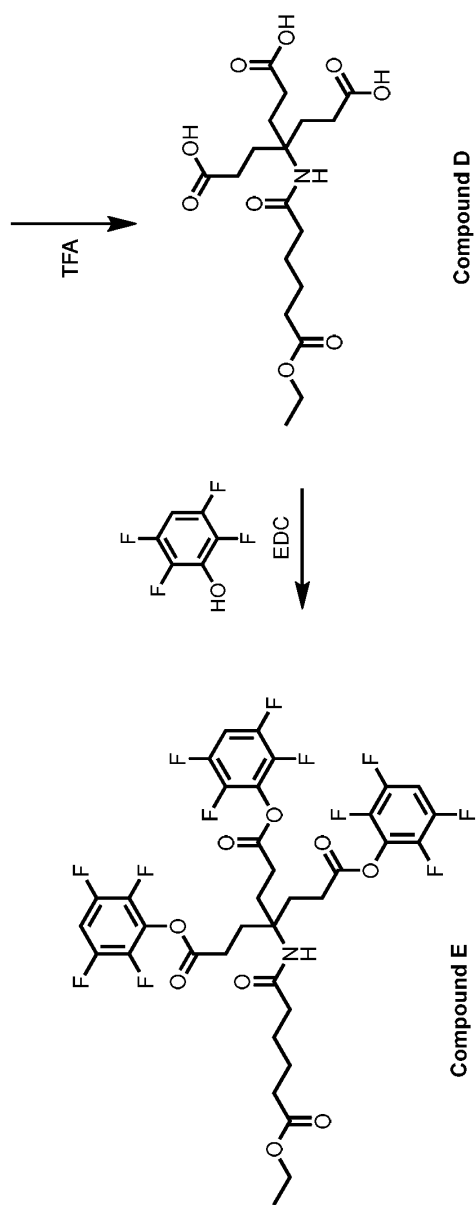
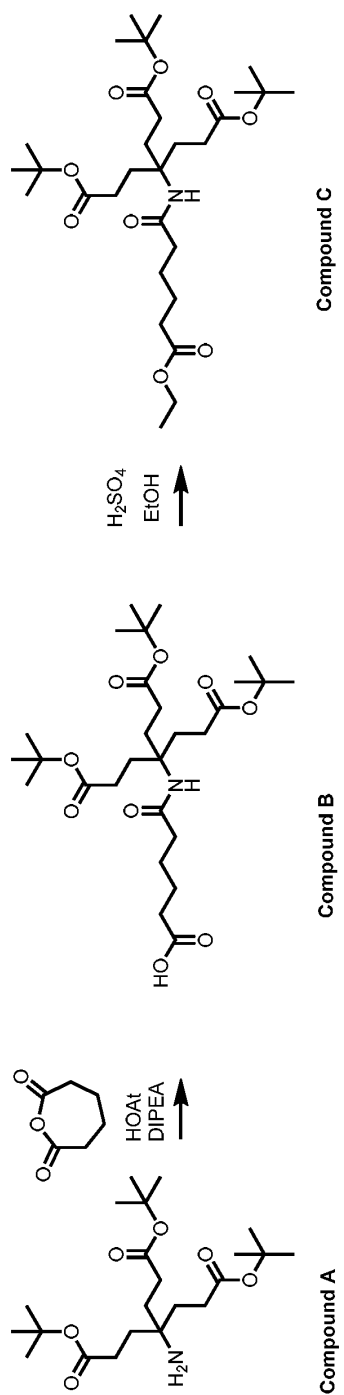
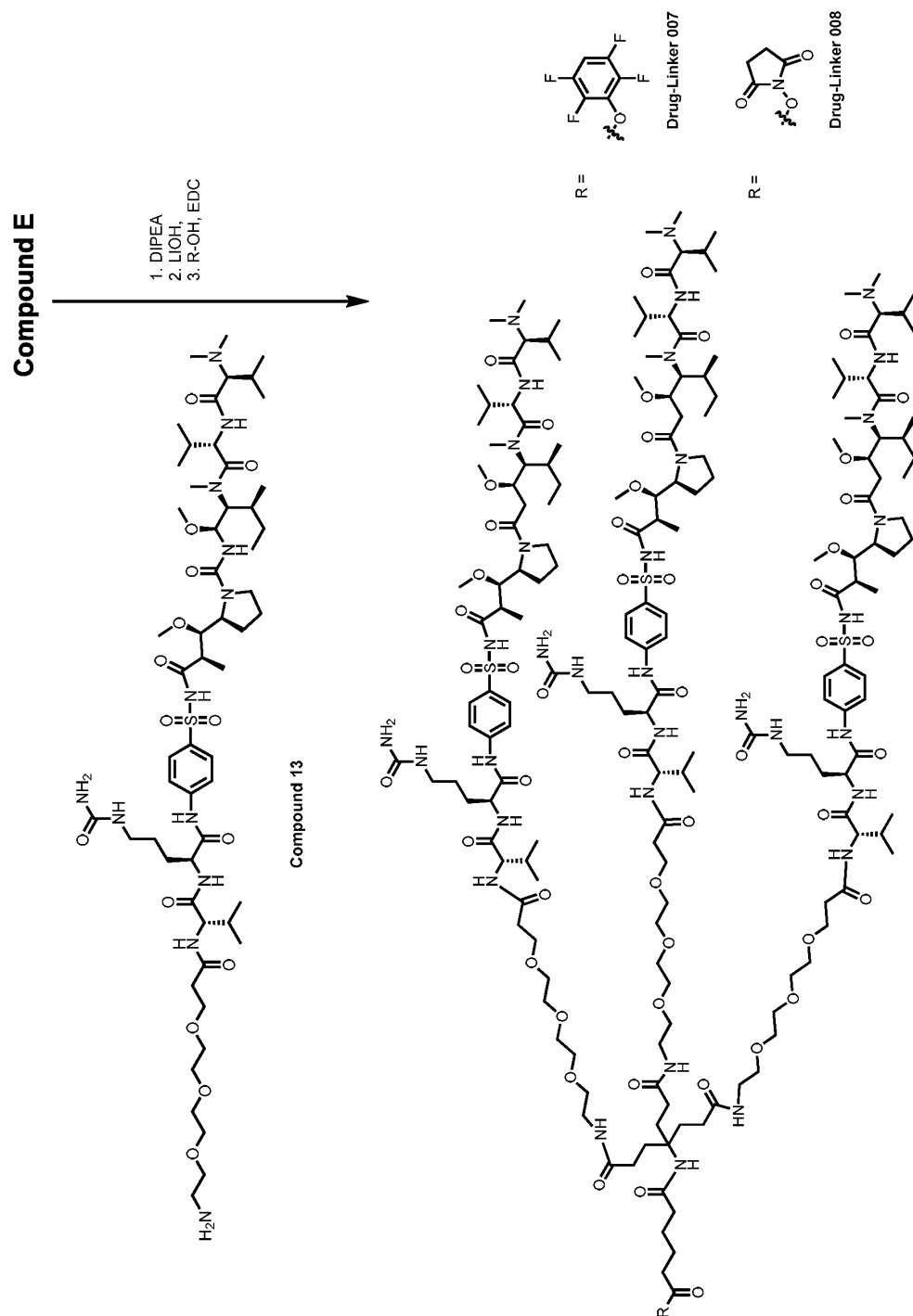


FIG. 2 (con.)

Scheme 1**FIG. 3**

**FIG. 3 (con.)**

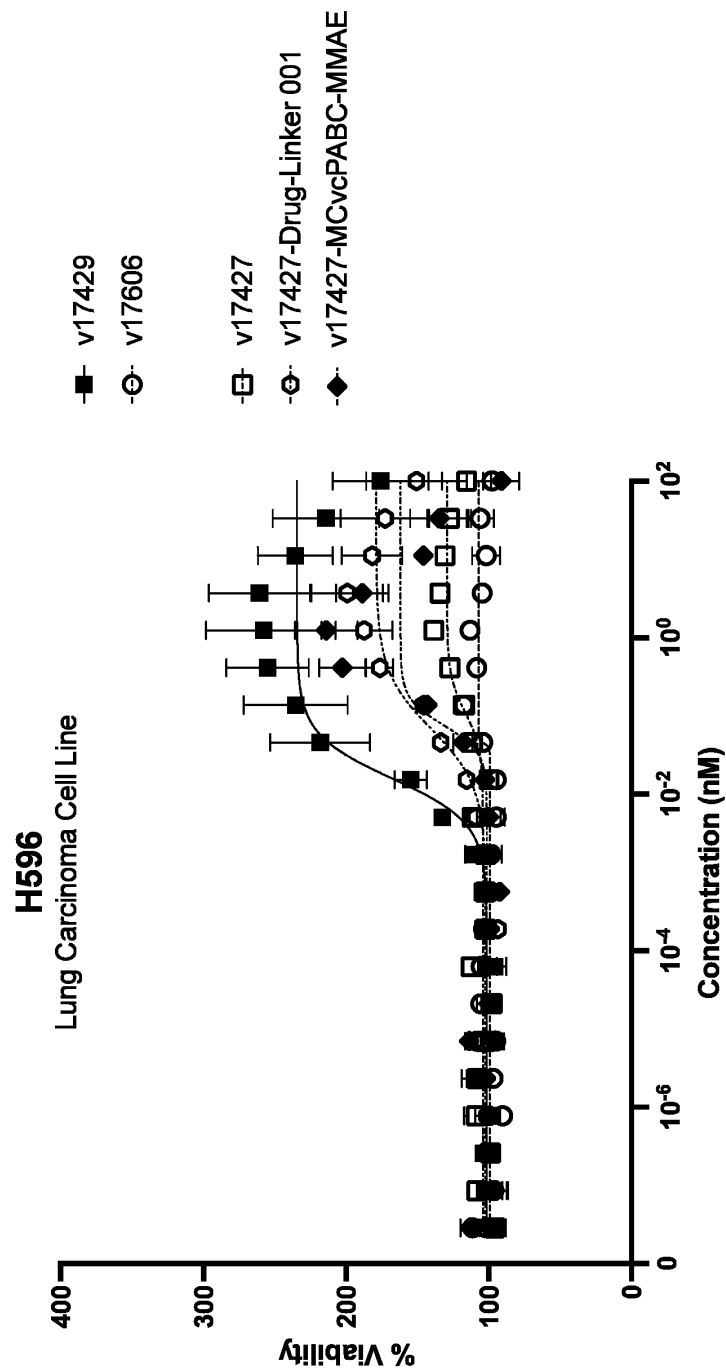
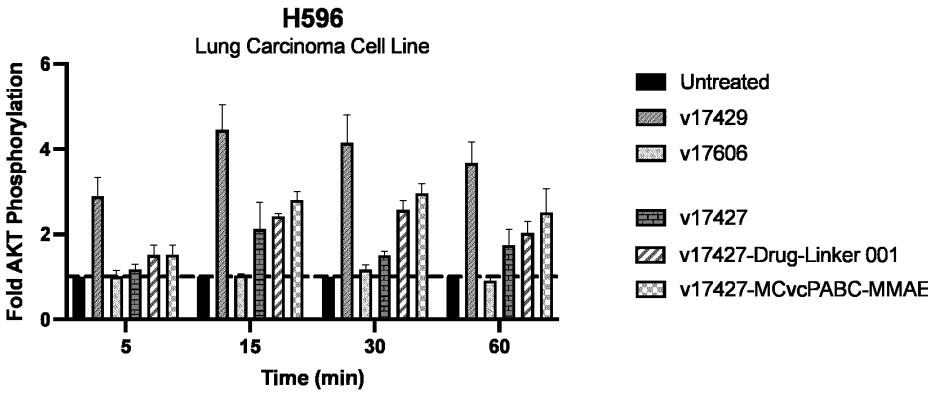


FIG. 4

A.



B.

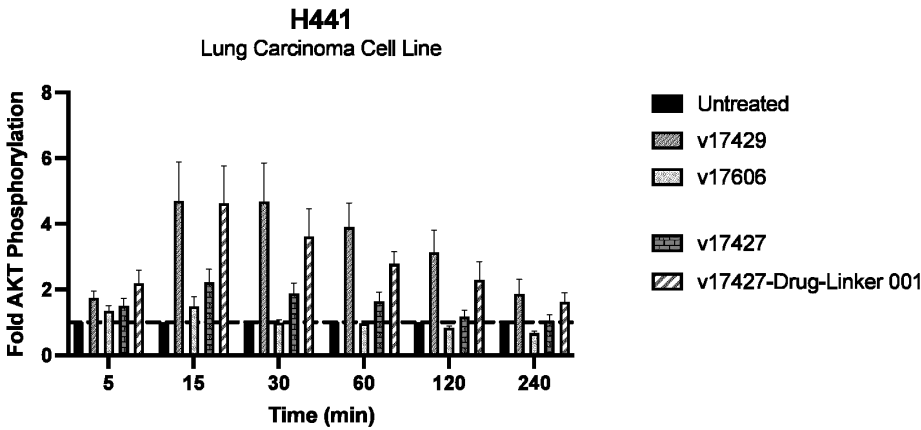


FIG. 5

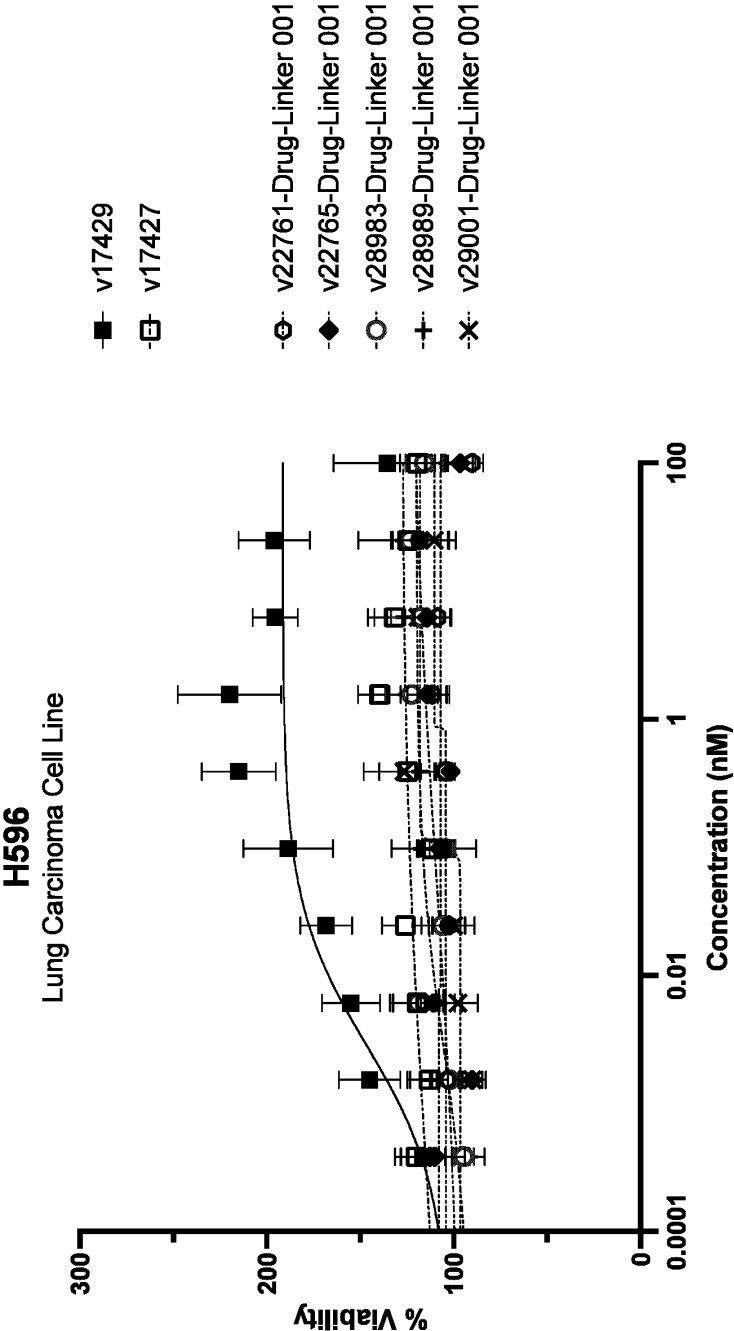


FIG. 6

A.

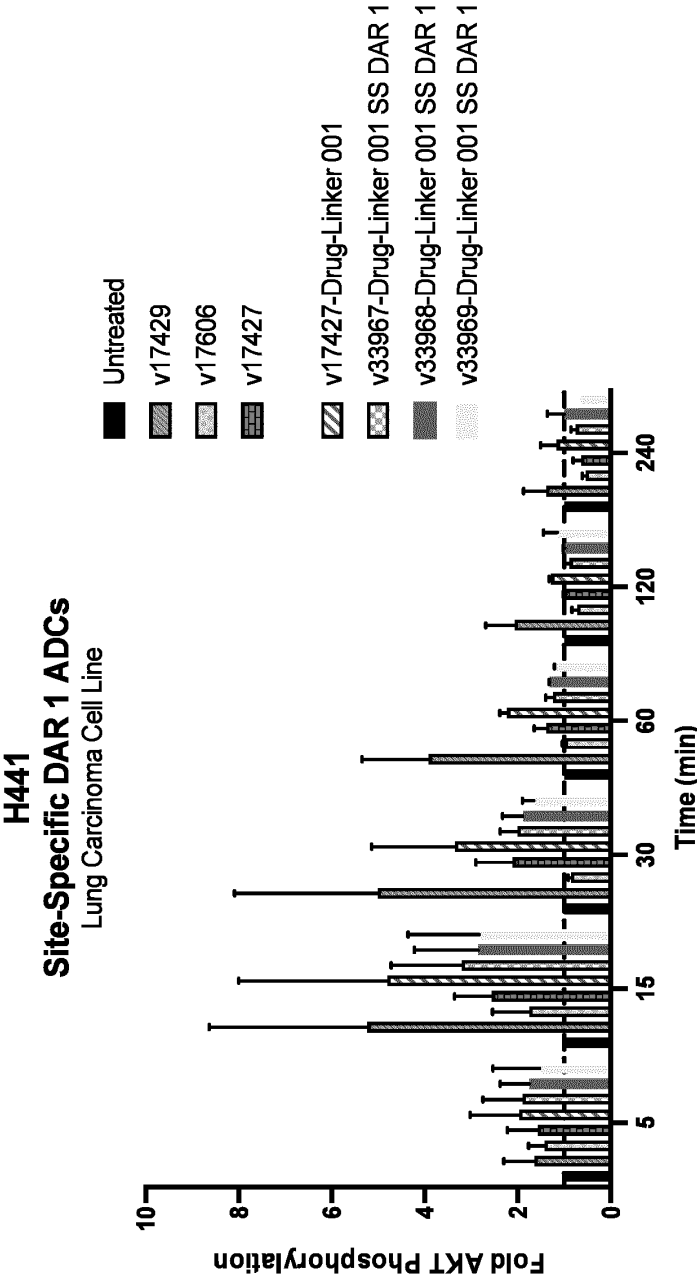


FIG. 7

B.

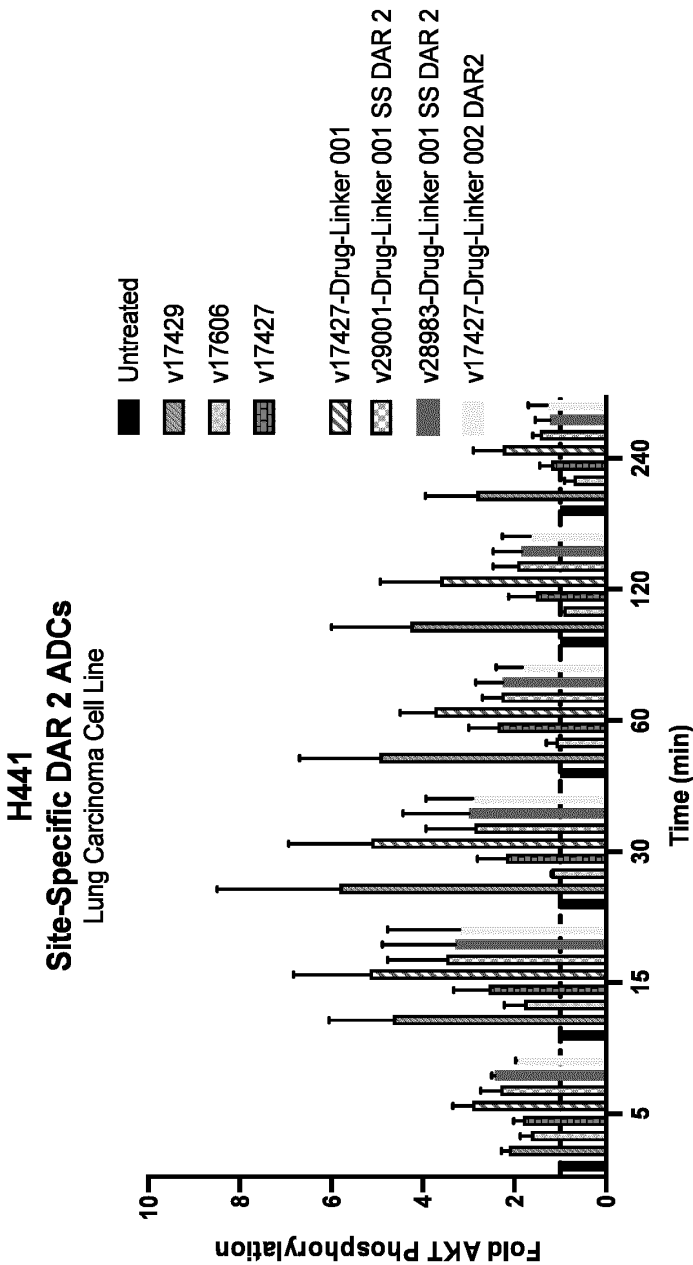


FIG. 7 (con.)

C.

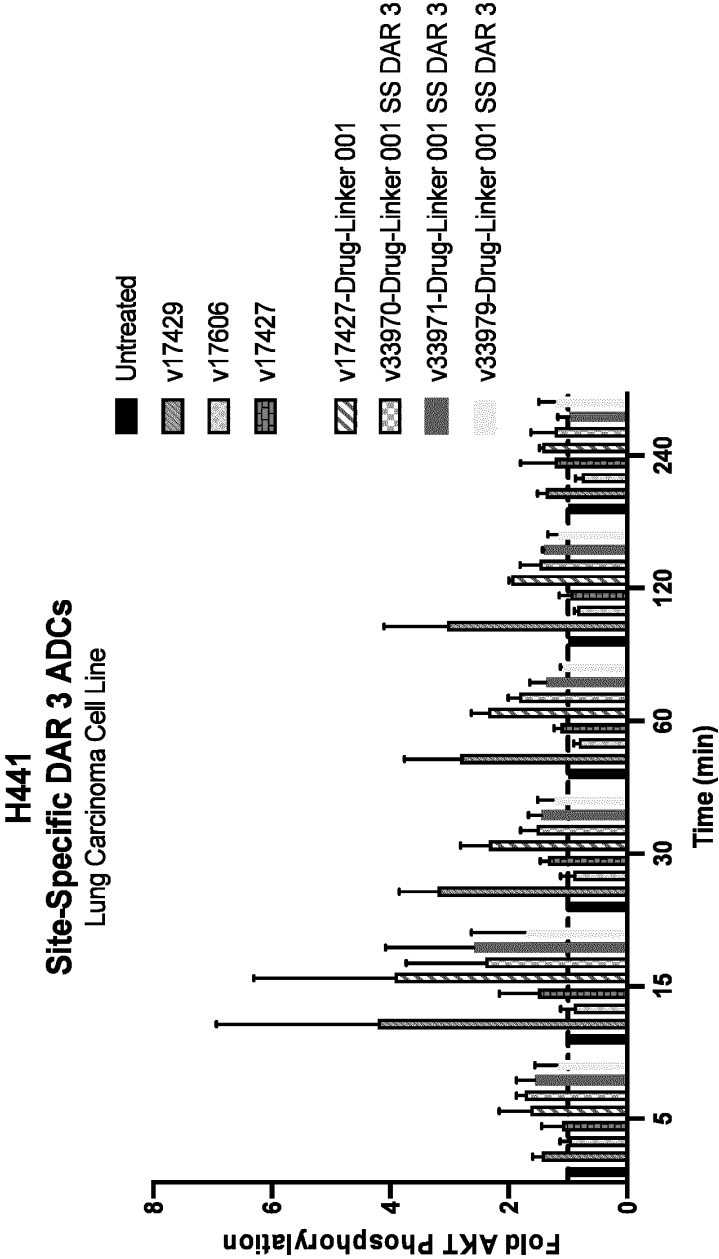
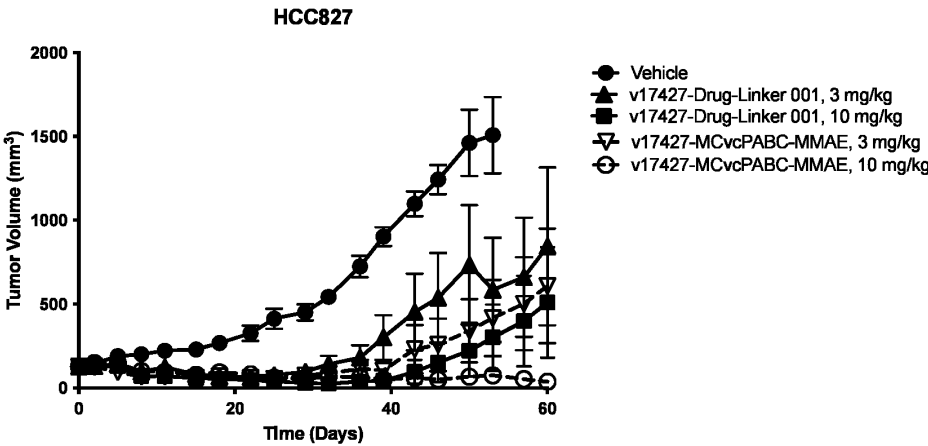


FIG. 7 (con.)

A.



B.

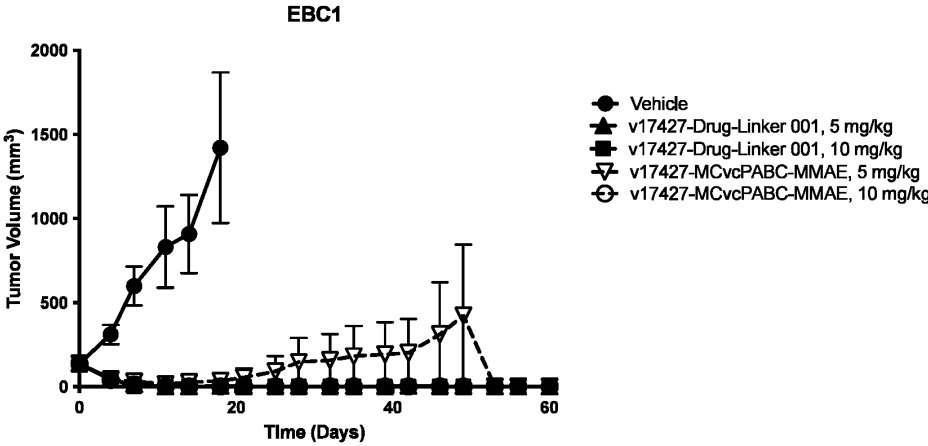
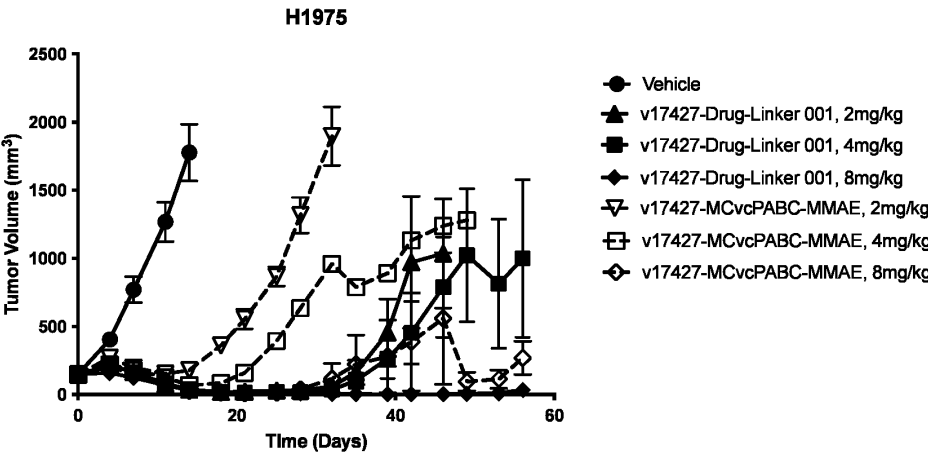


FIG. 8

C.



D.

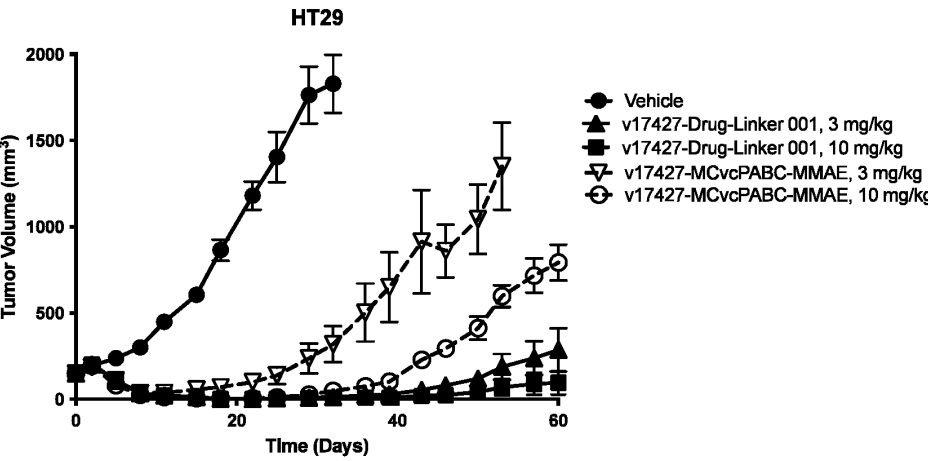
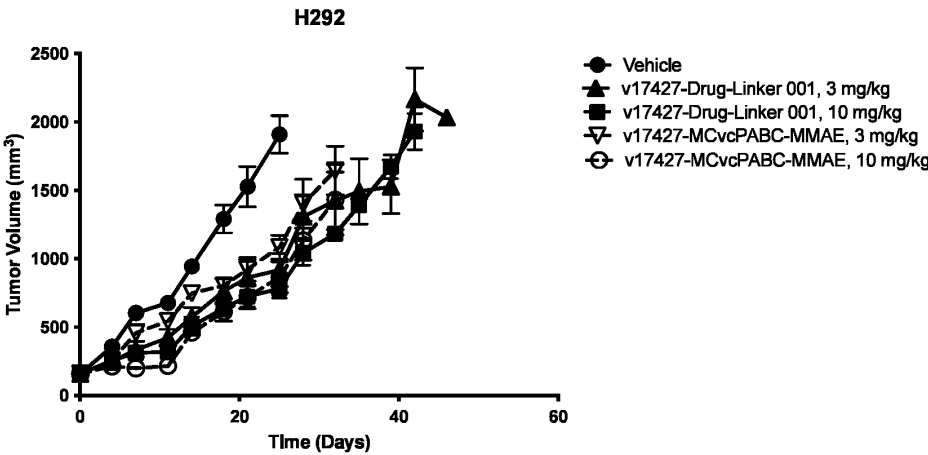


FIG. 8 (con.)

E.



F.

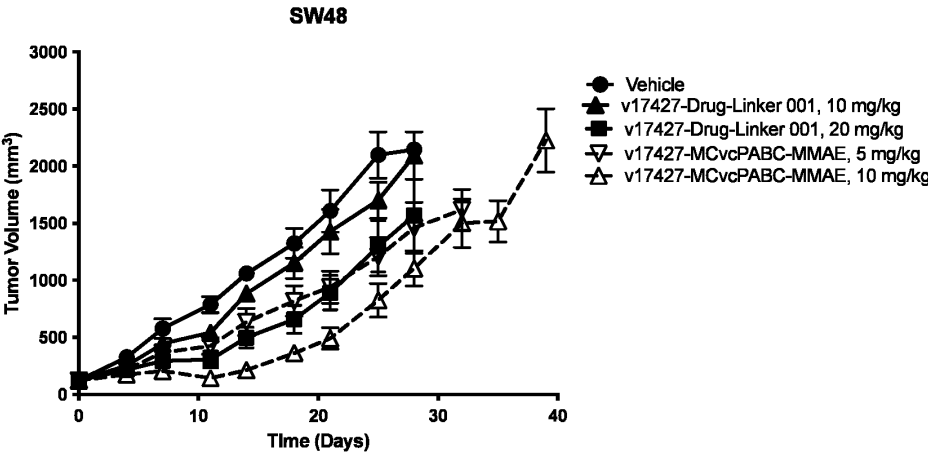


FIG. 8 (con.)

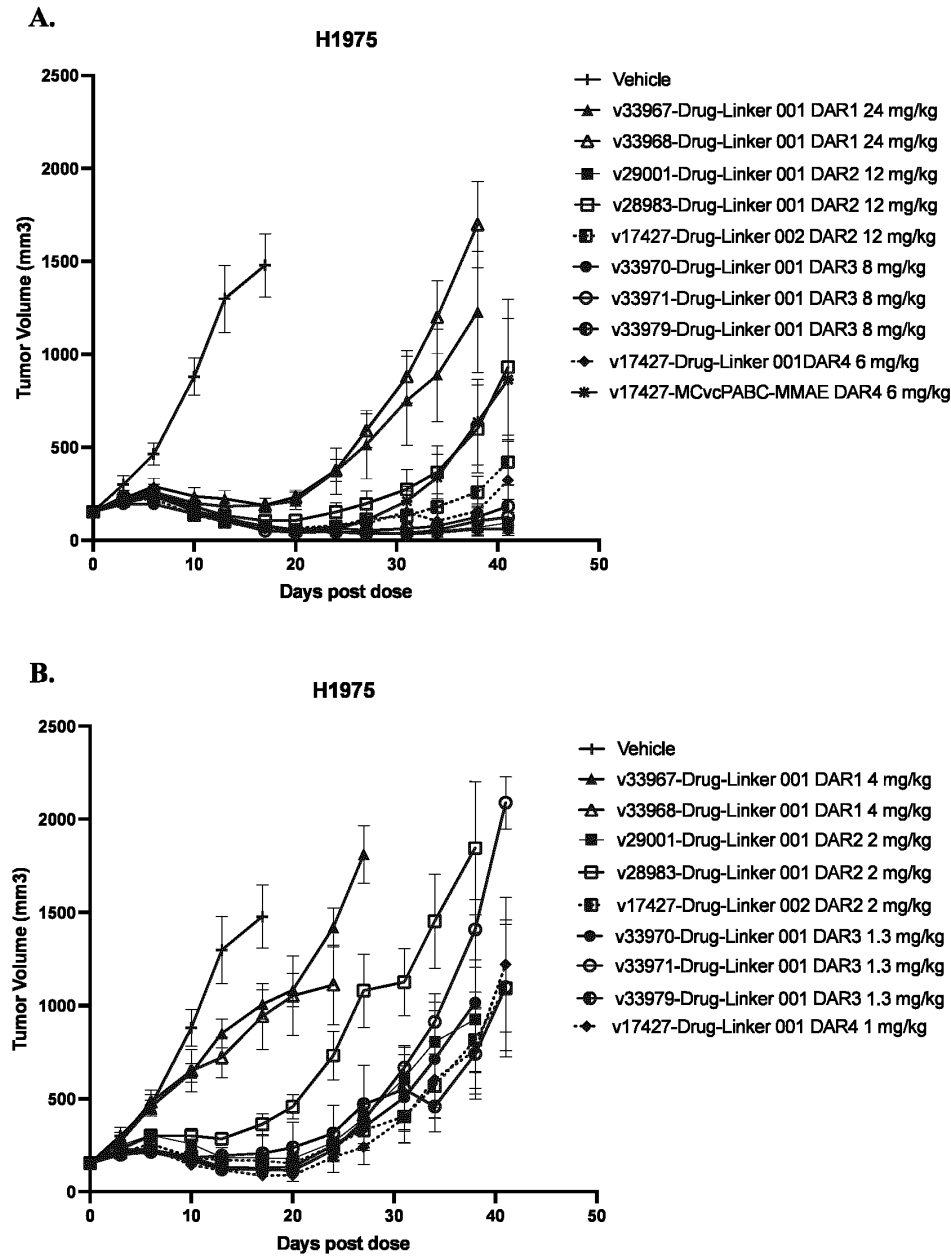
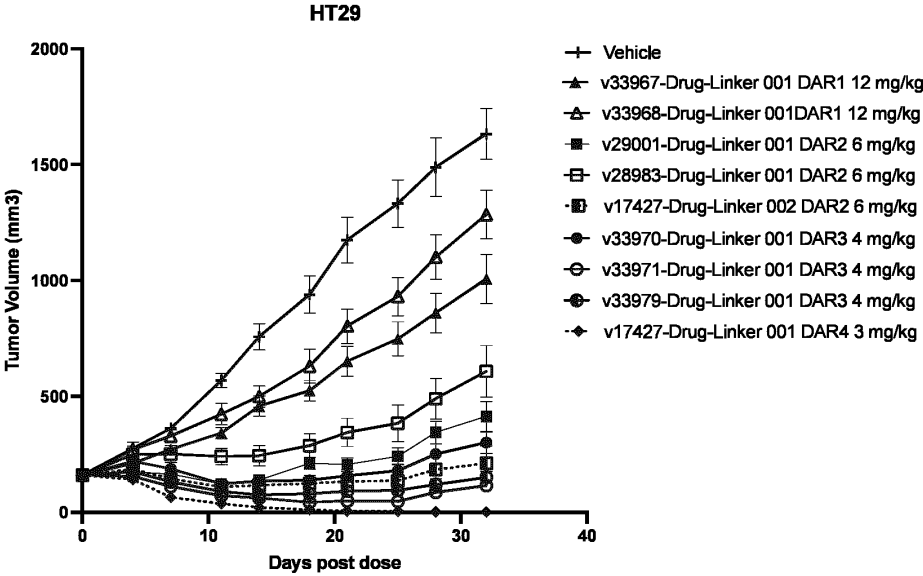


FIG. 9

A.



B.

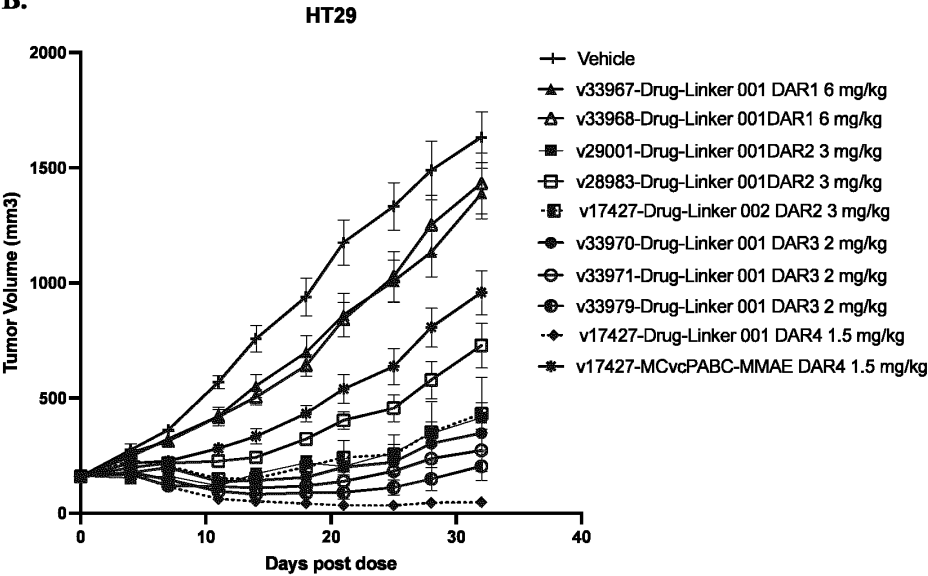
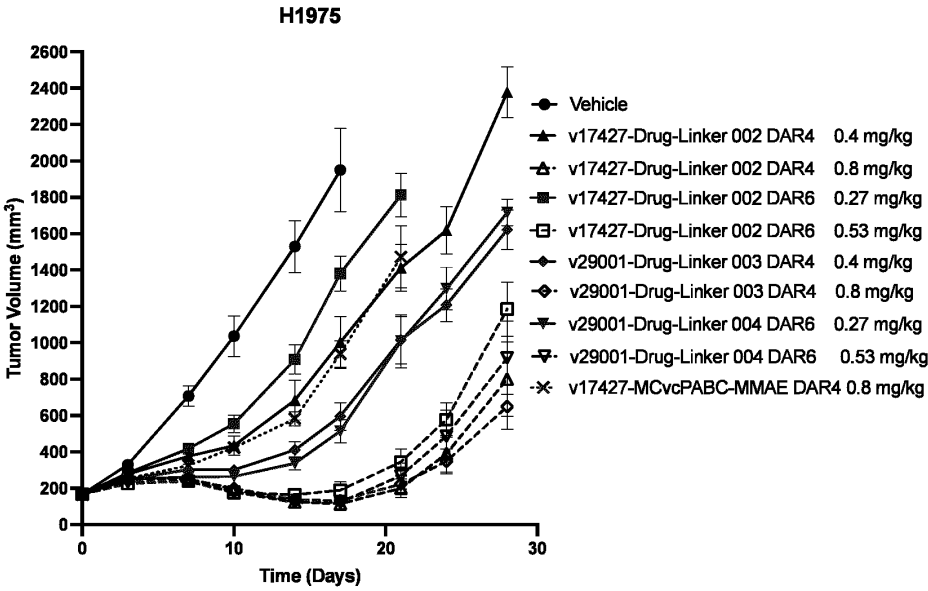


FIG. 10

A.



B.

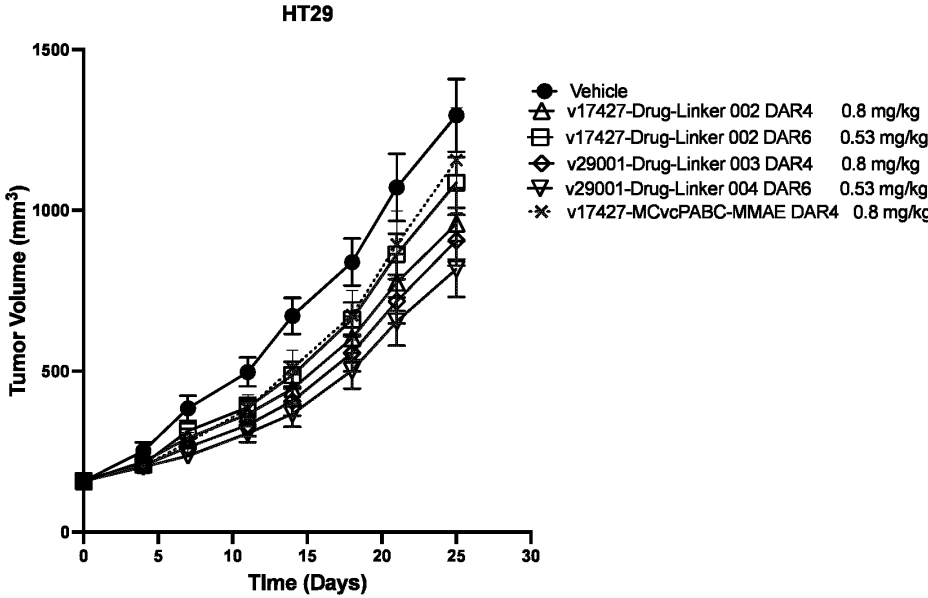
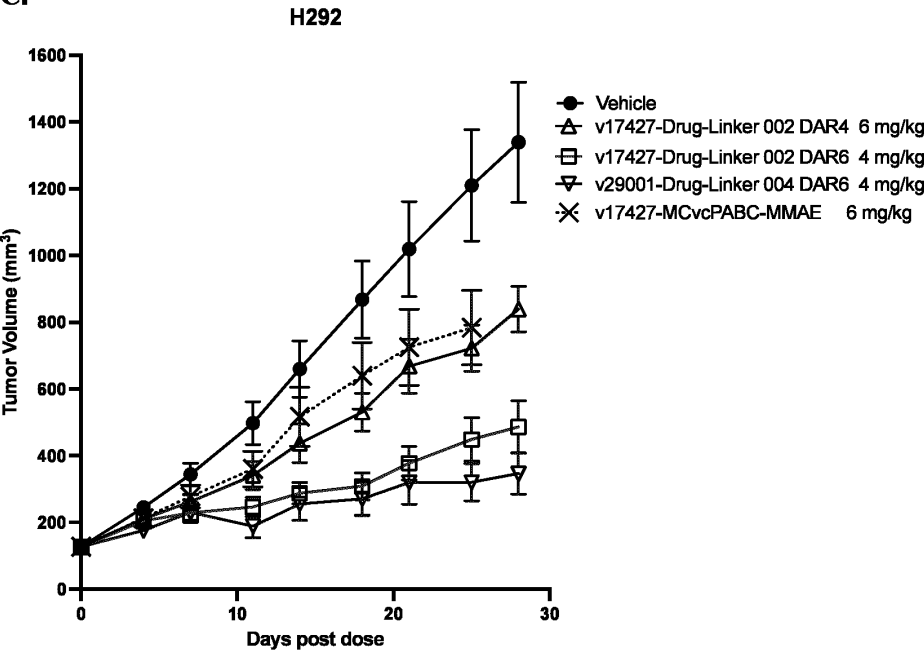


FIG. 11

C.



D.

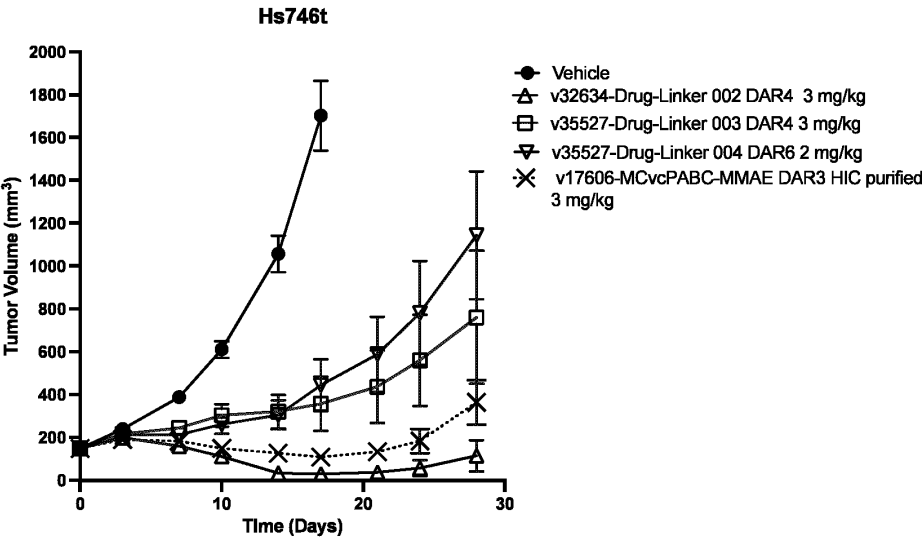


FIG. 11 (con.)

E.

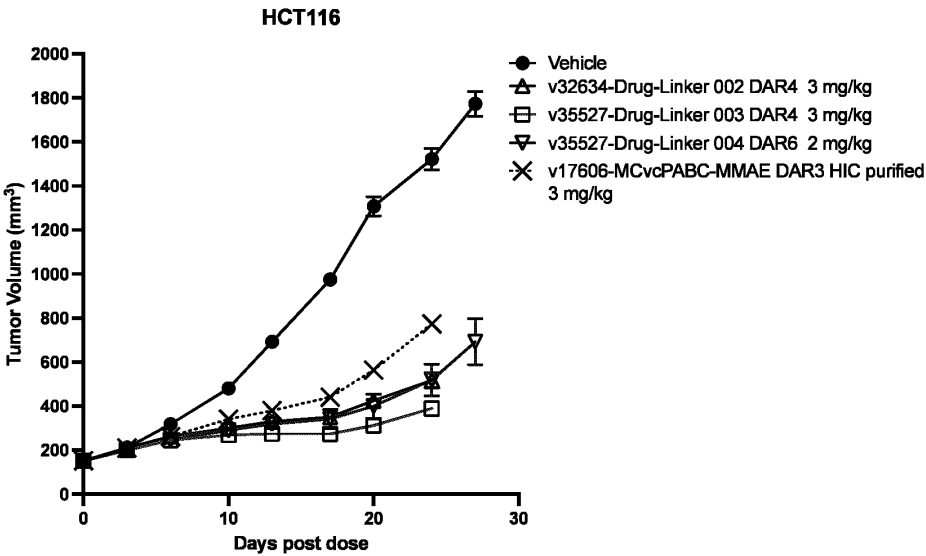


FIG. 11 (con.)

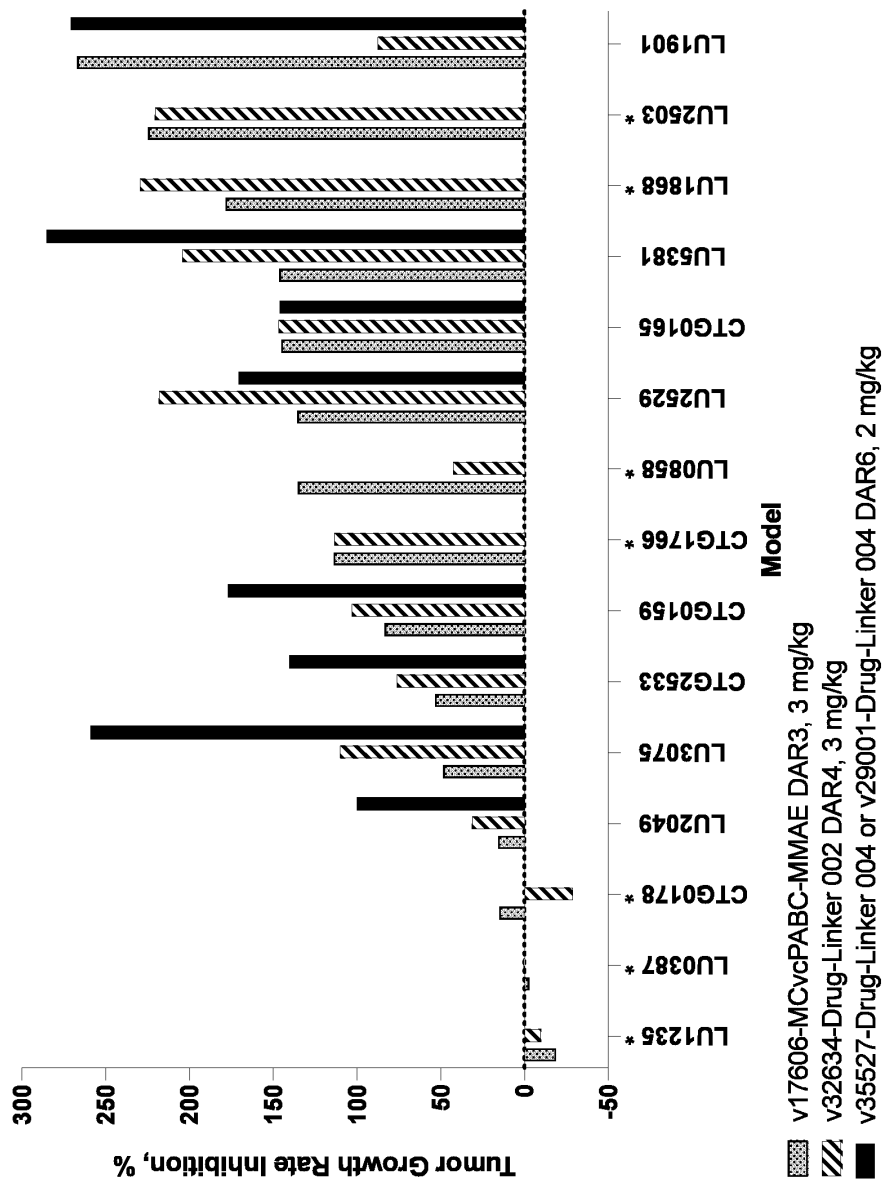


FIG. 12

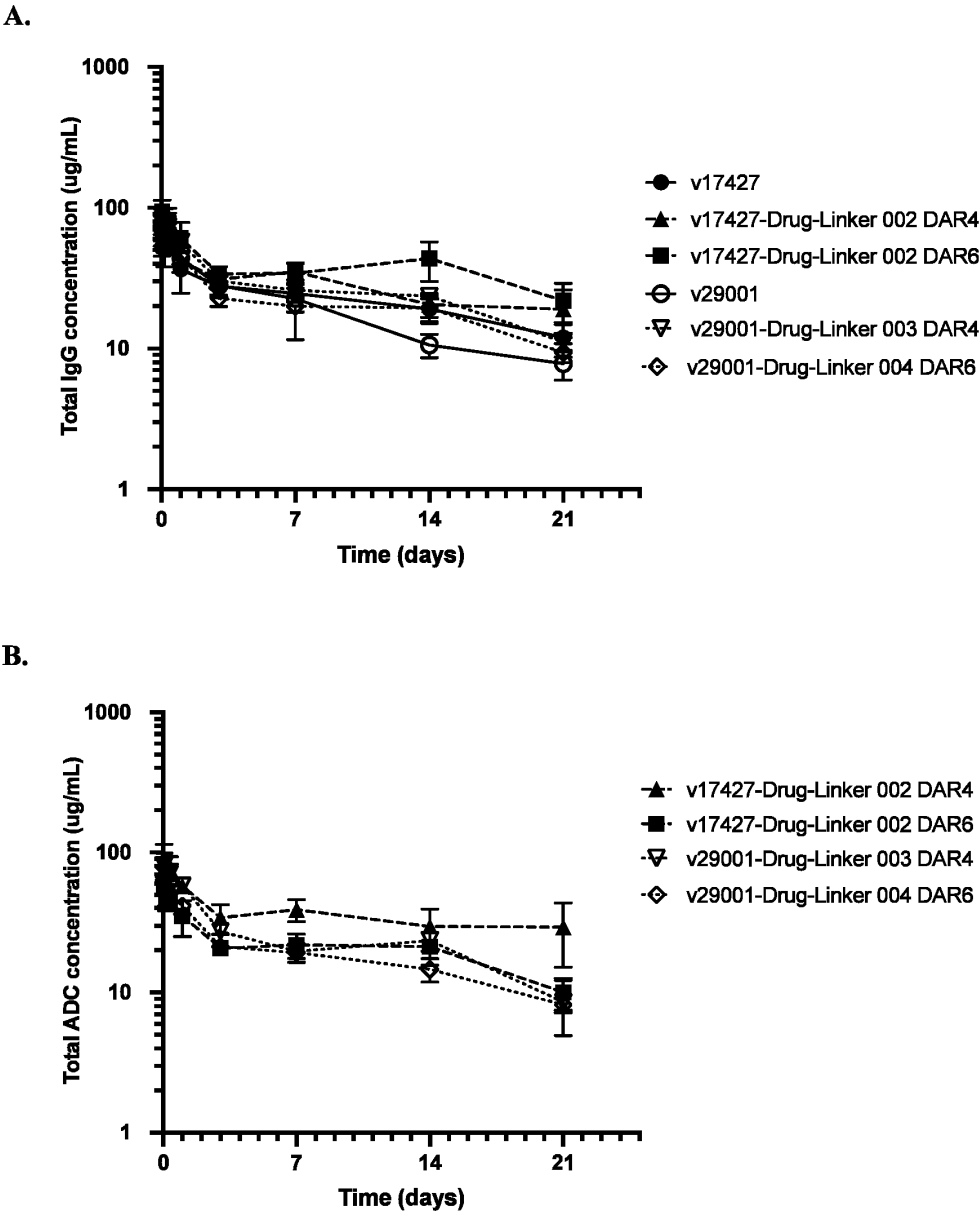
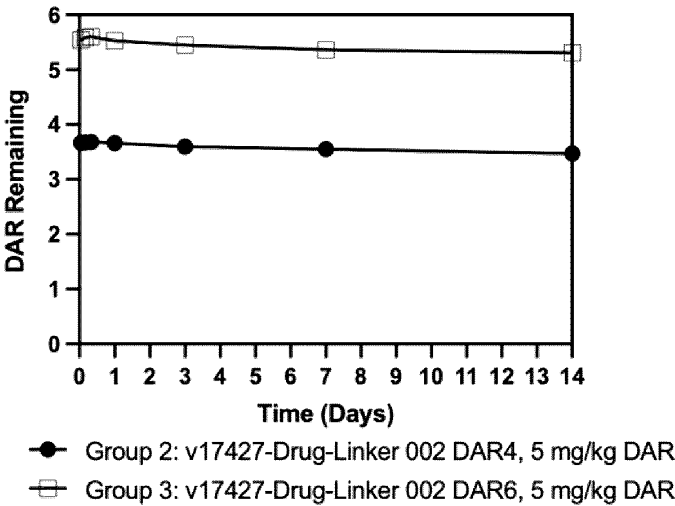


FIG. 13

A.



B.

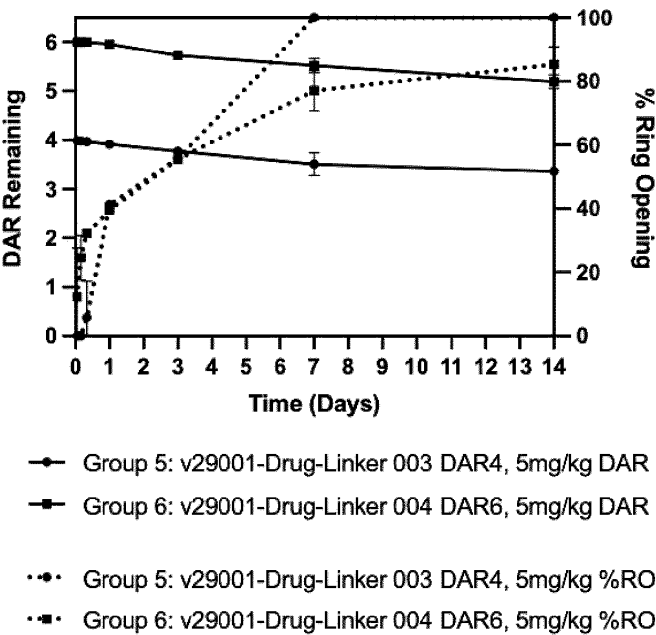


FIG. 14