

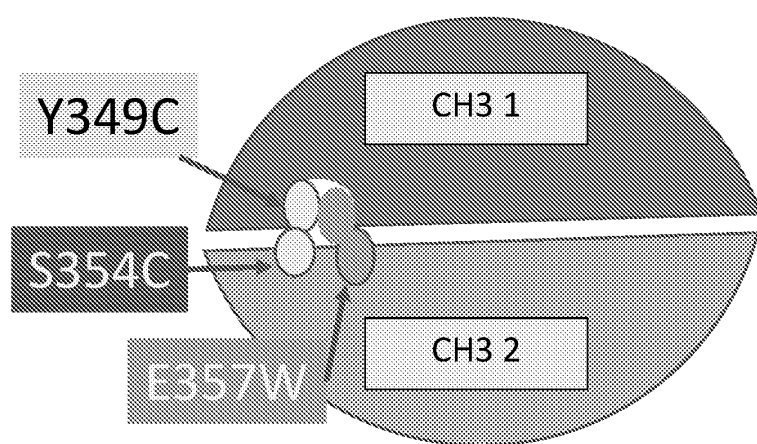


FIG. 1A

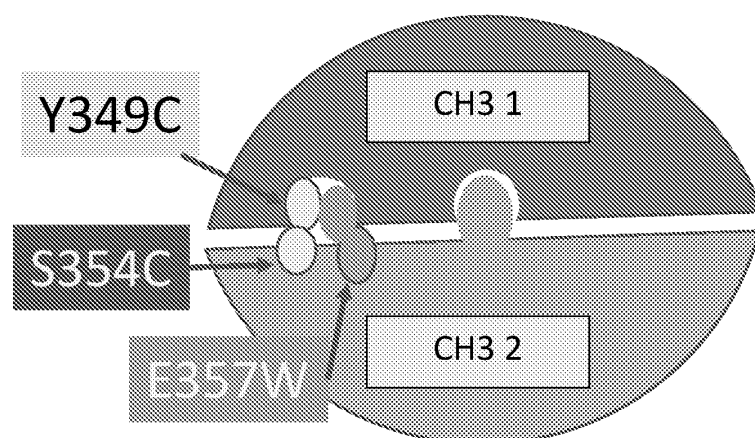


FIG. 1B

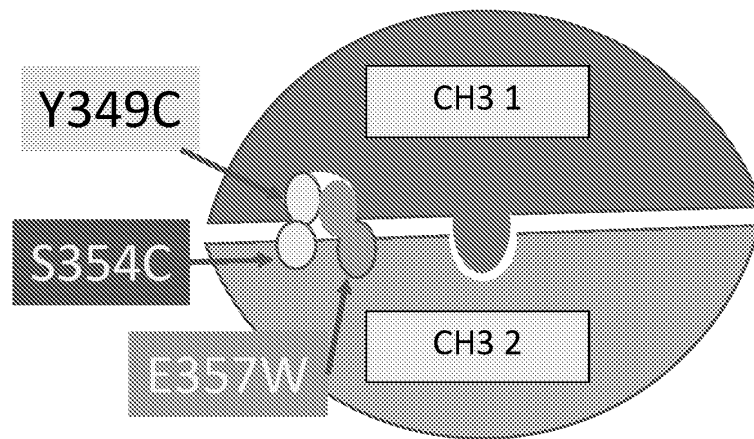
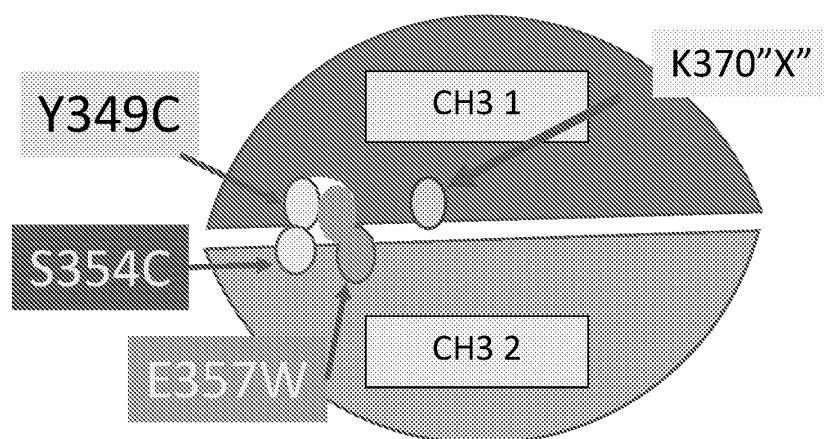


FIG. 1C

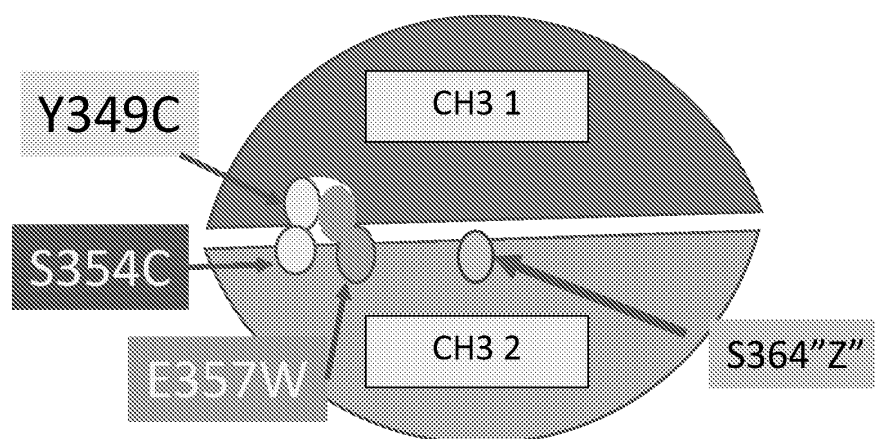


"X" = D,E,F,H,M,N,Q,R,S,T,W, or Y

or

"X" = A,D,E,F,G,H,I,L,M,N,P,Q,R,S,T,V,W, or Y

FIG. 1D



"Z" = A,D,E,H,K,L,N,Q,T,W, or Y

or

"Z" = A,D,E,F,G,H,I,K,L,M,N,P,Q,R,T,V,W, or Y

FIG. 1E

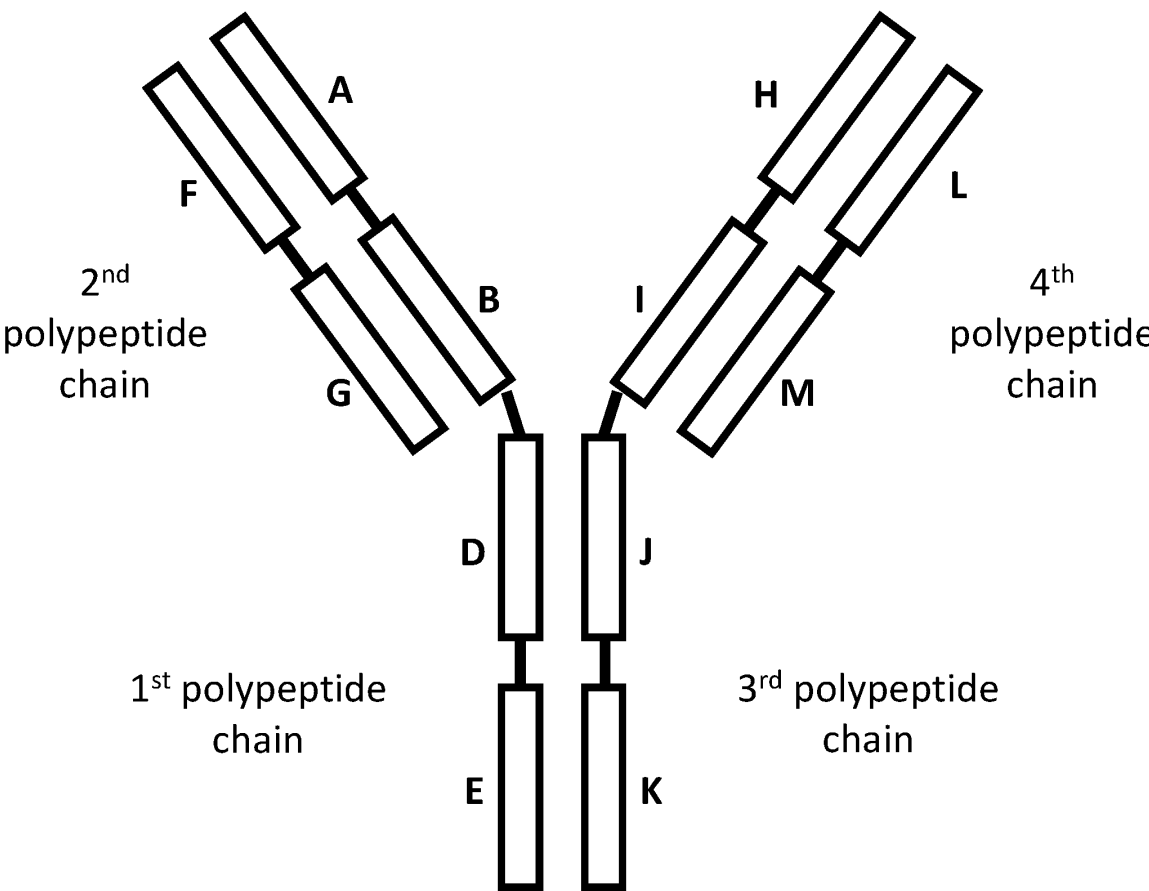
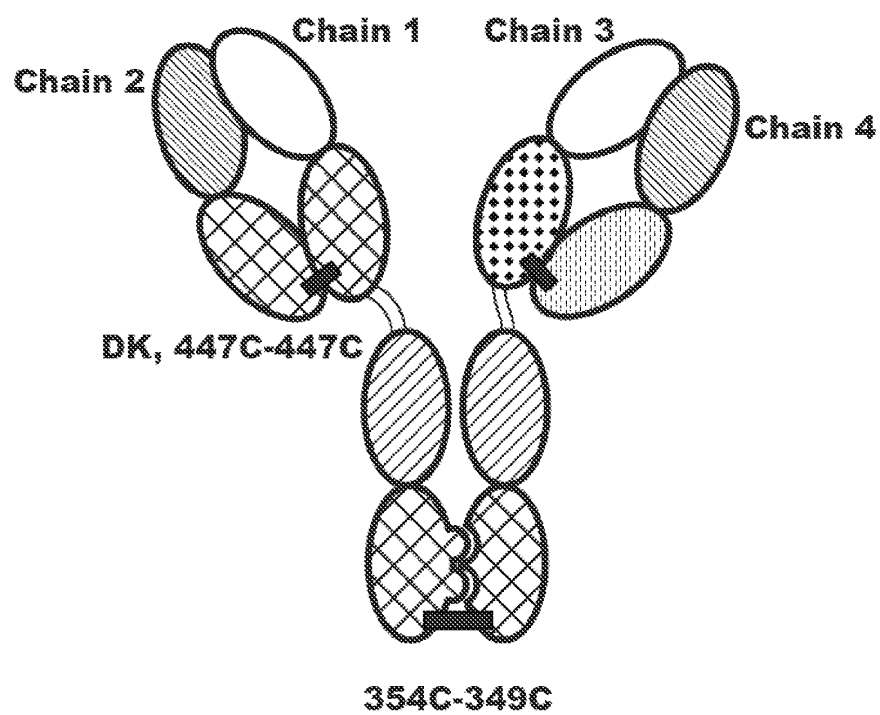


FIG. 2

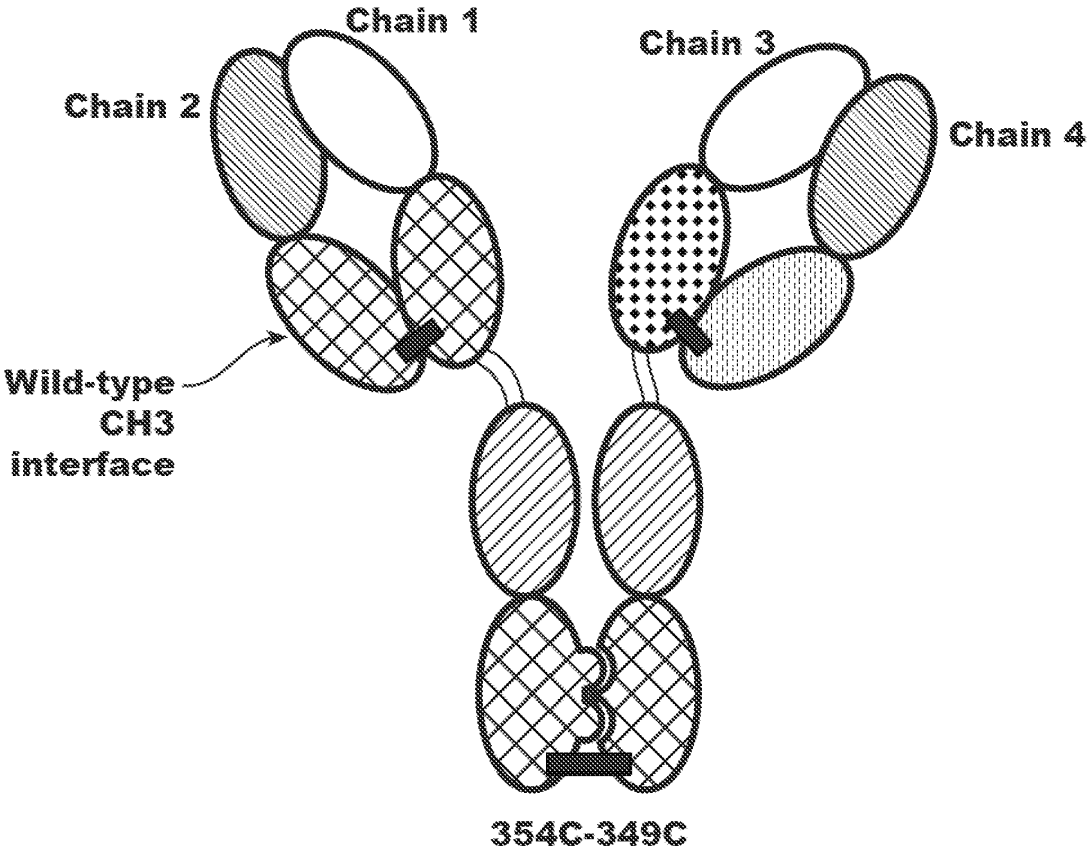
BC-1

**Legend:**

VH		VL		CL		CH1	
CH2		CH3		KIH		S-S	

FIG. 3

BC-6

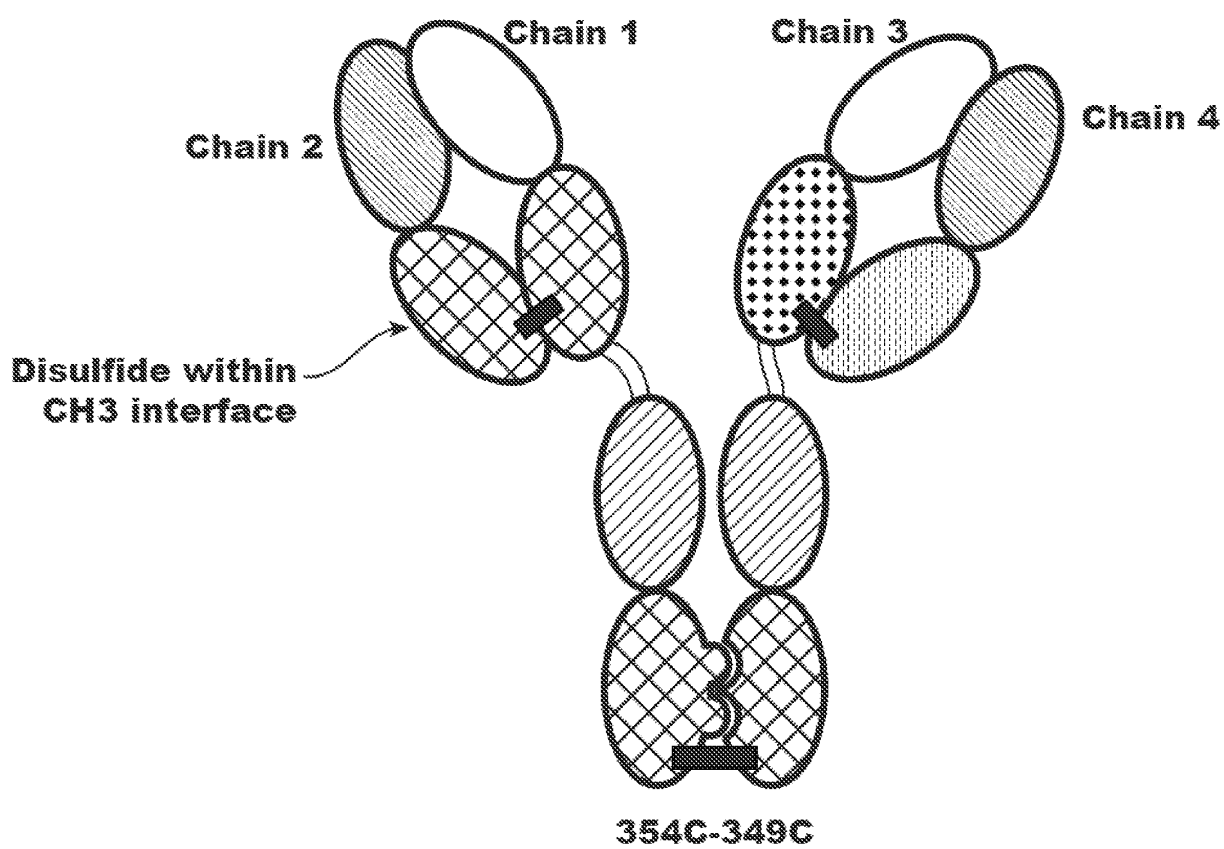


Legend:

VH	VL	CL	CH1
CH2	CH3	KIH	S-S

FIG. 4

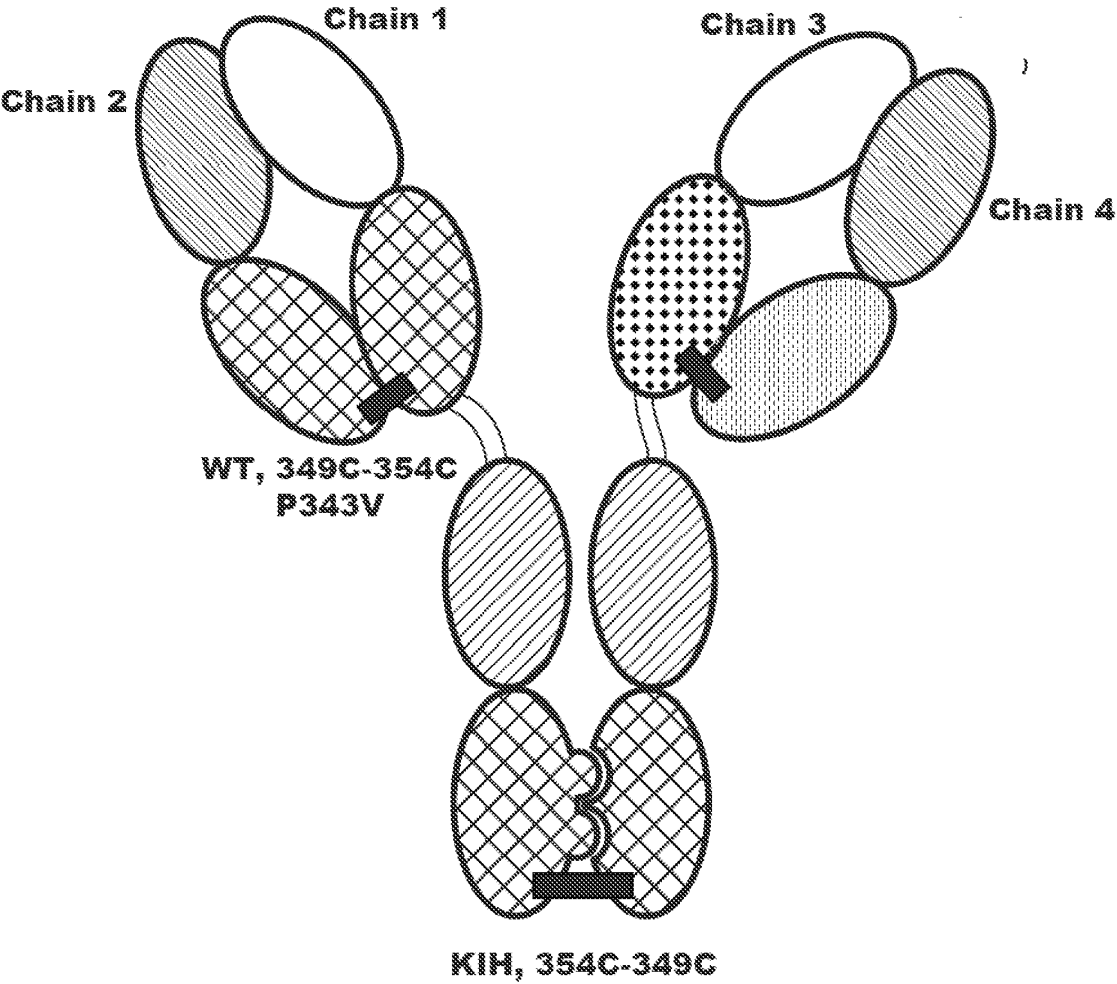
BC-28

**Legend:**

VH		VL		CL		CH1	
CH2		CH3		KIH		S-S	

FIG. 5

BC-44



Legend:

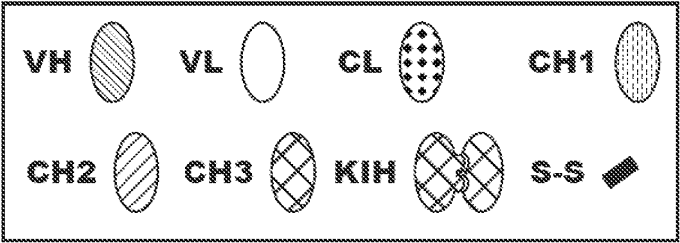
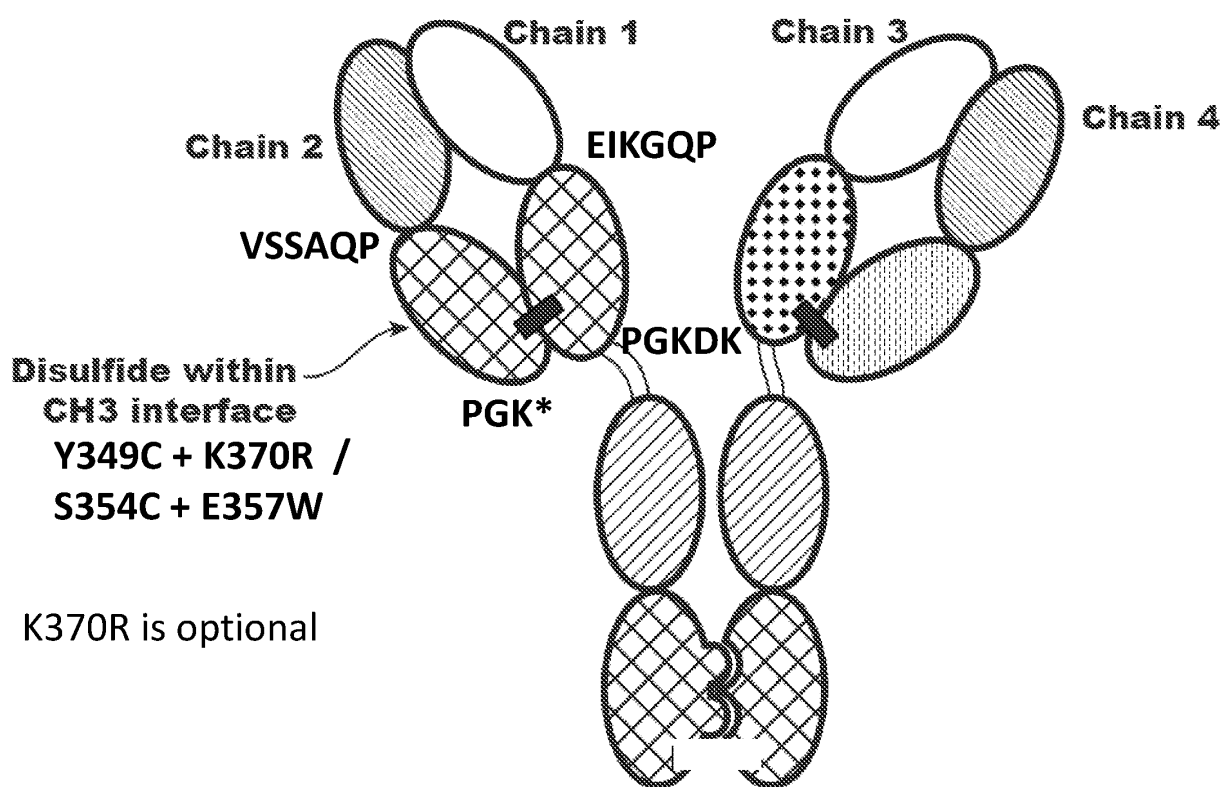


FIG. 6

BC-96



Note disulfide removed from E/K

Legend:

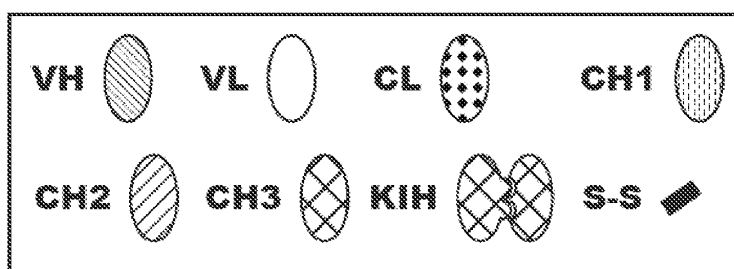


FIG. 7

Modified BC96 (no E357 mutation, no K370 mutation)

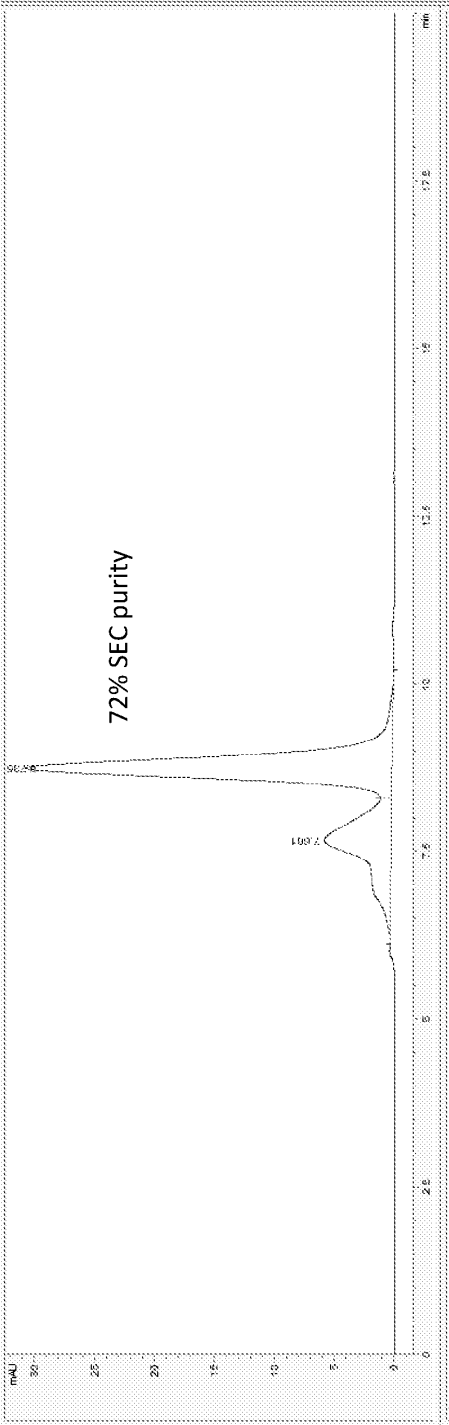


FIG. 8A

Modified BC96 (E357W, no K370 mutation)

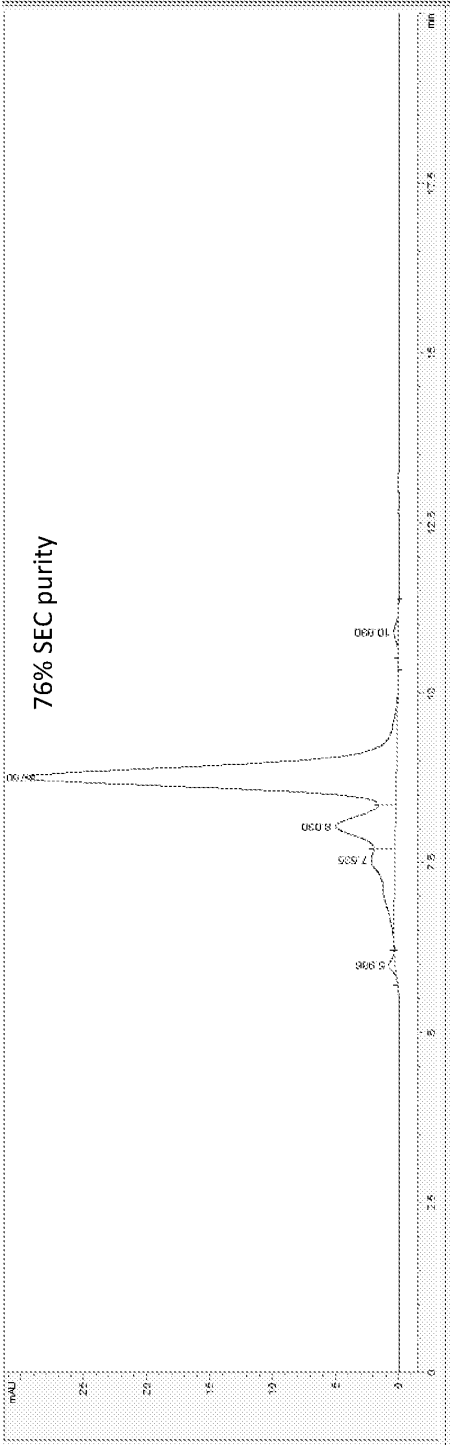


FIG. 8B

Modified BC96 (no E357 mutation, K370R)

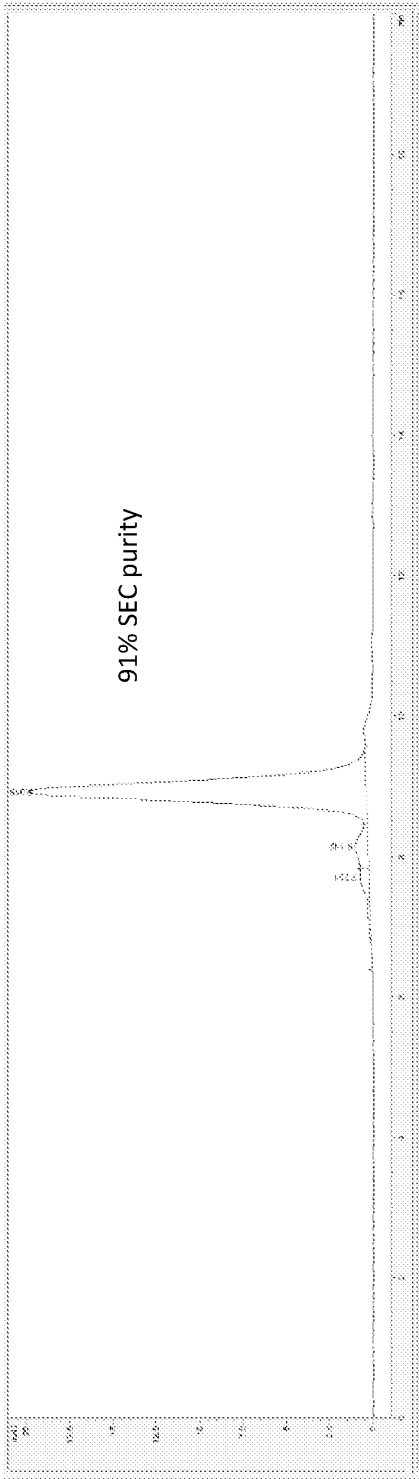


FIG. 8C

BC96 (E357W, K370R)

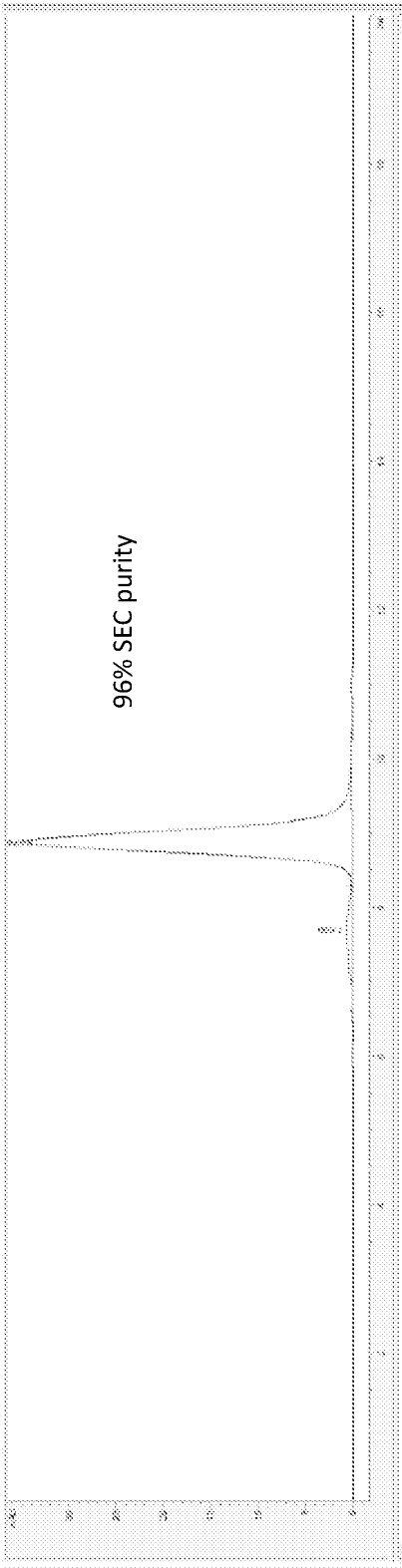


FIG. 8D

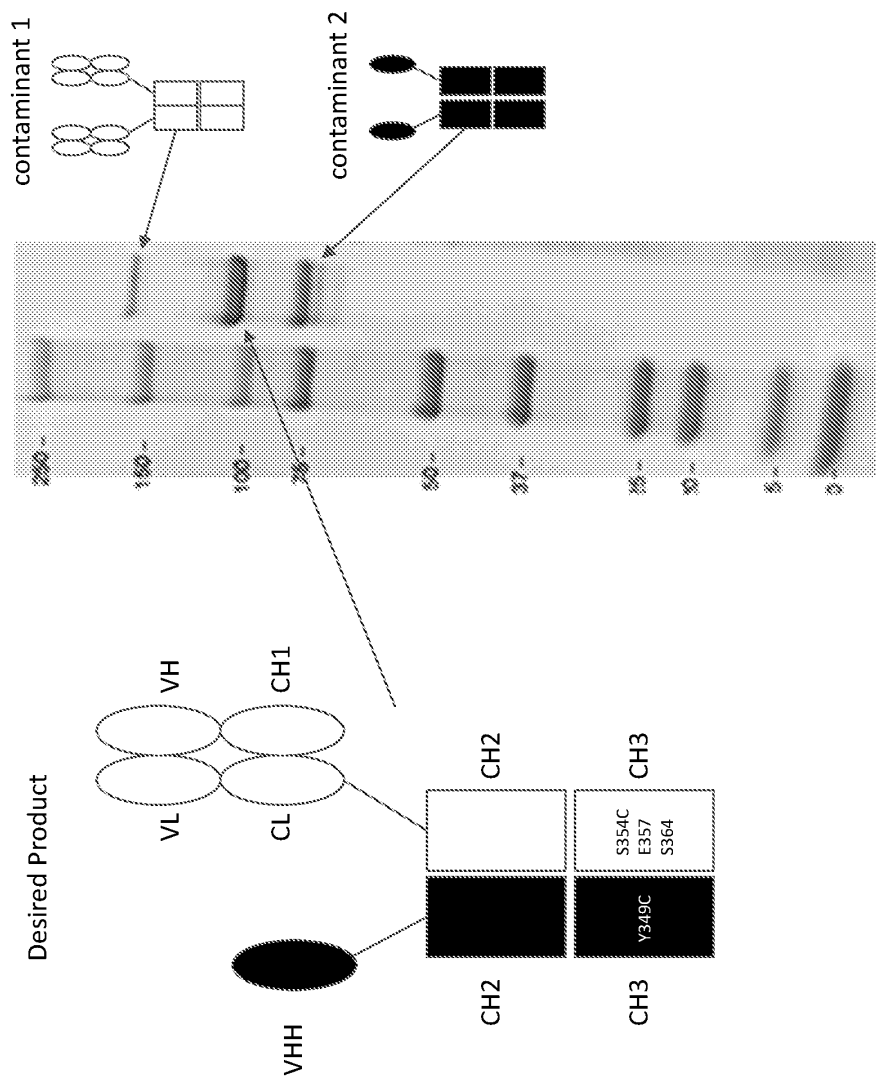


FIG. 9

Control (no E357 mutation, no S364 mutation)

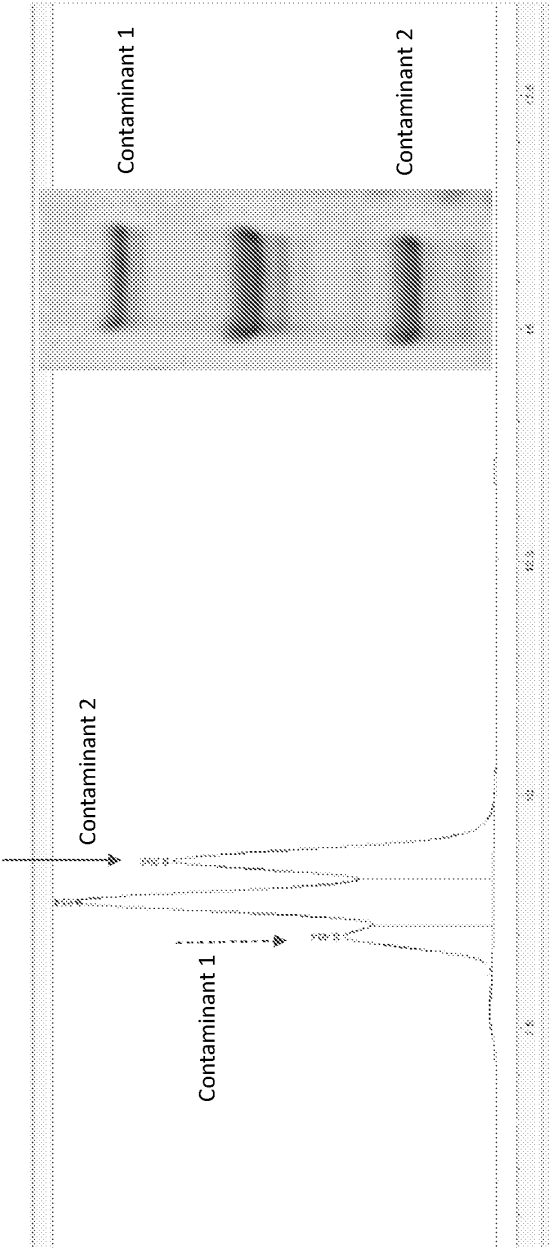


FIG. 10A

E357W, no S364 mutation

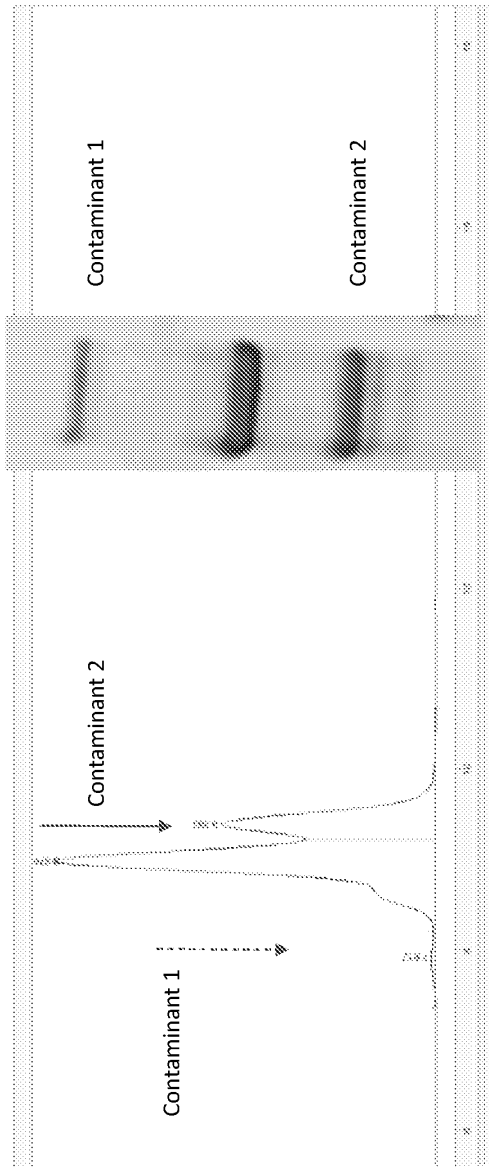


FIG. 10B

E357W, S364R

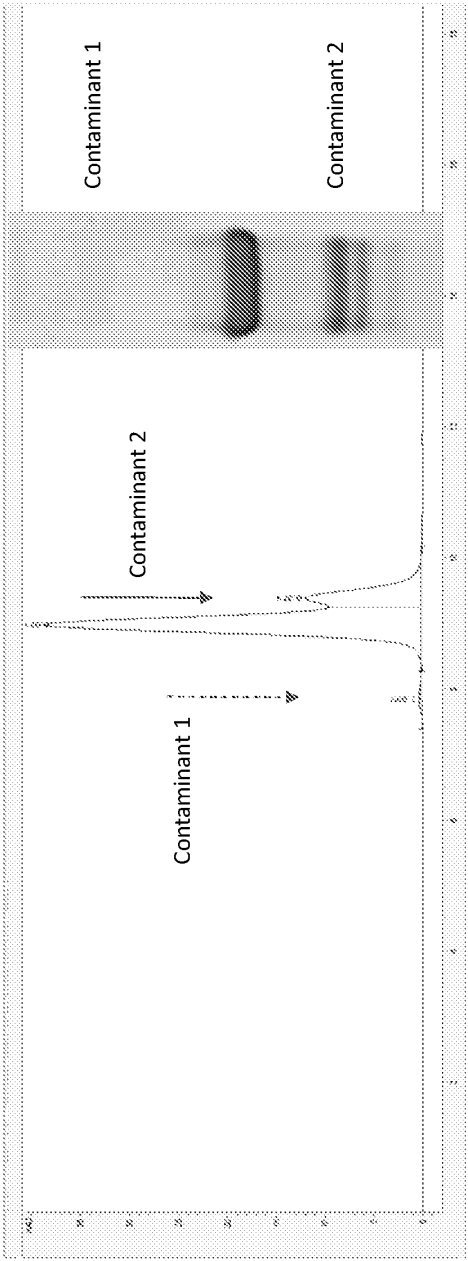


FIG. 10C

E357W

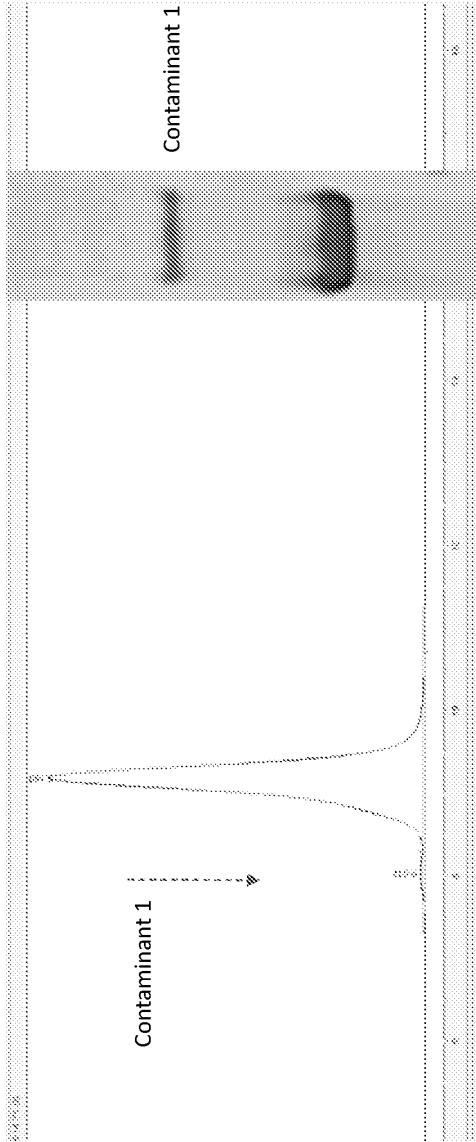


FIG. 11A

E357W, S364R

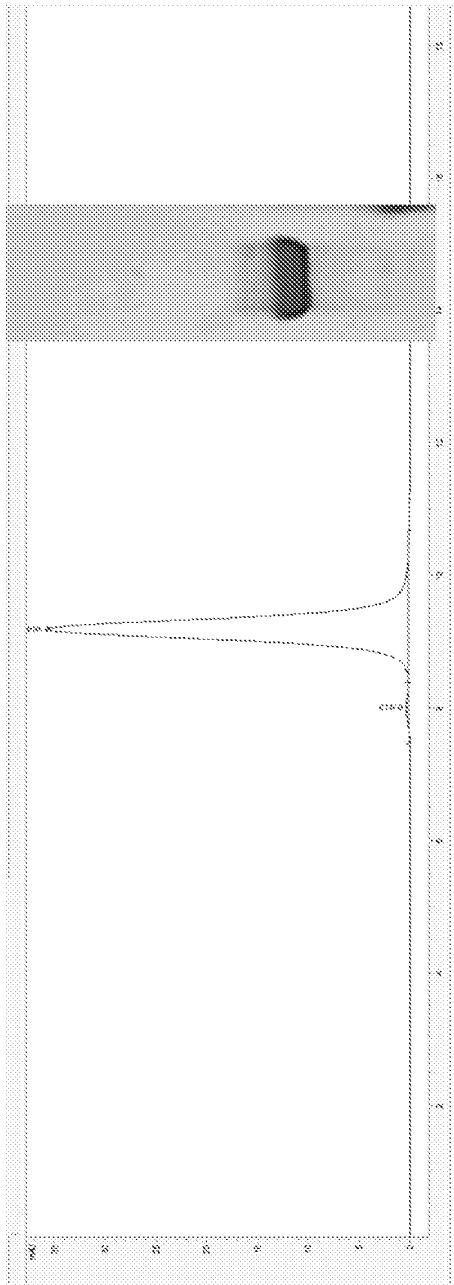


FIG. 11B