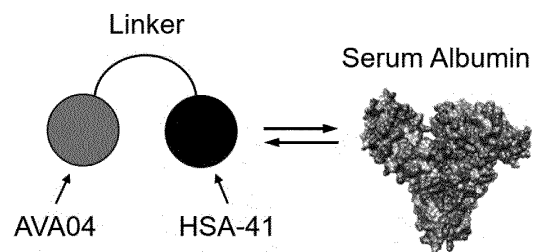


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**FIG. 1A**

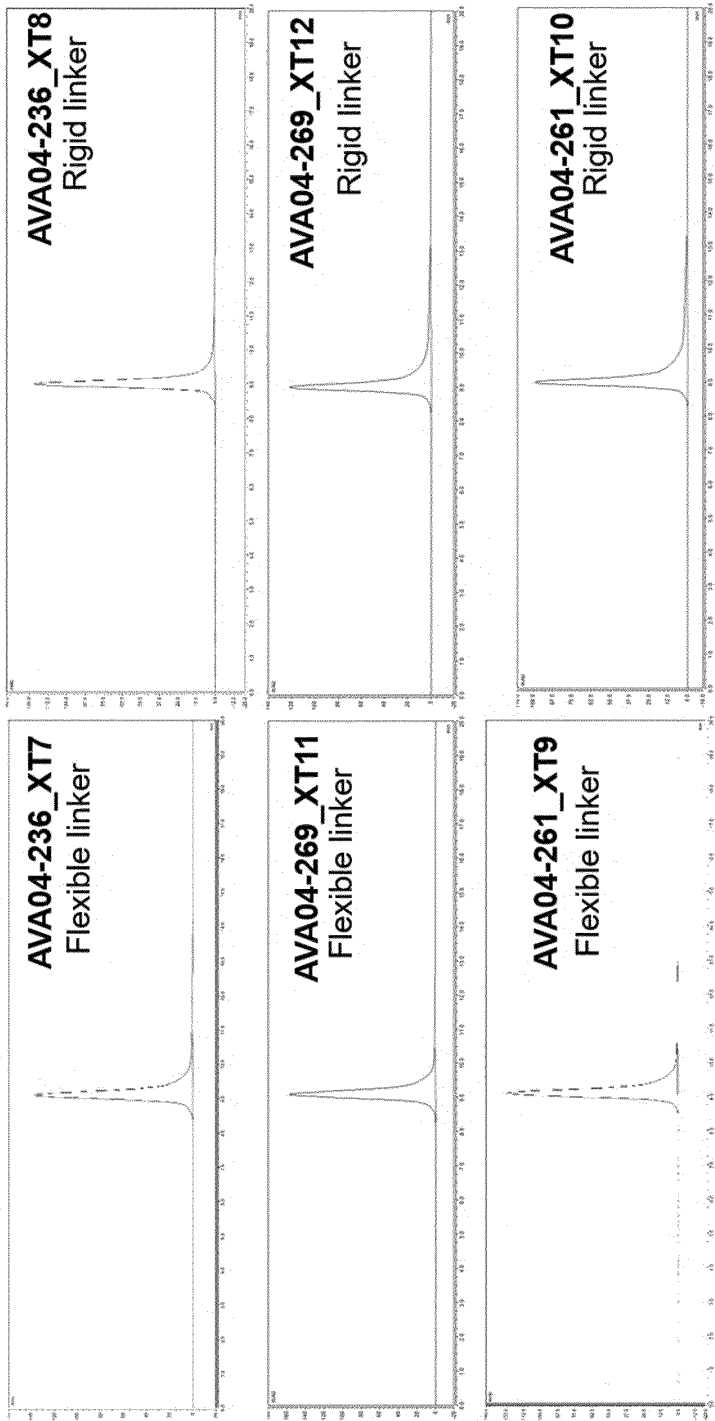


FIG. 1B

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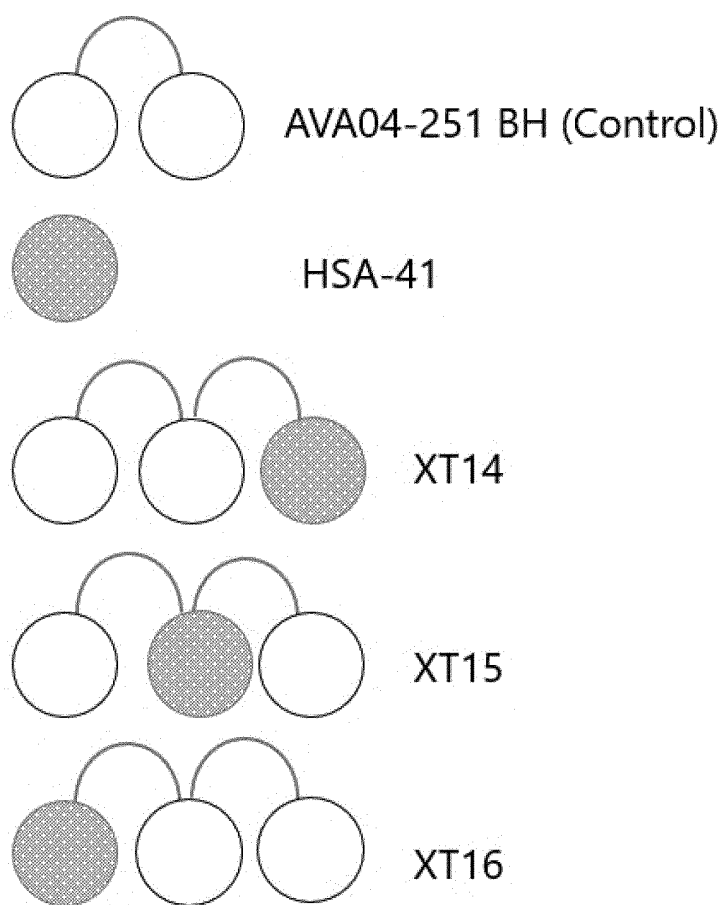


FIG. 2

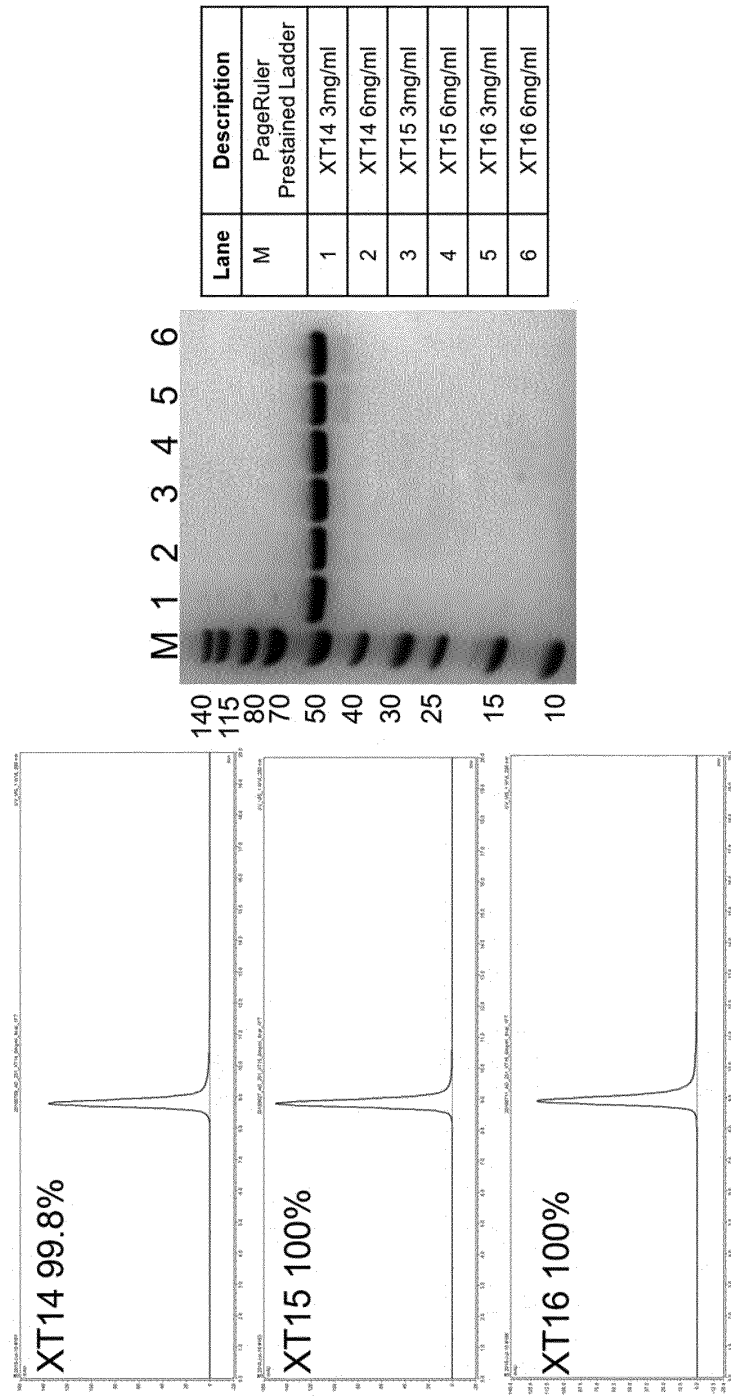


FIG. 3

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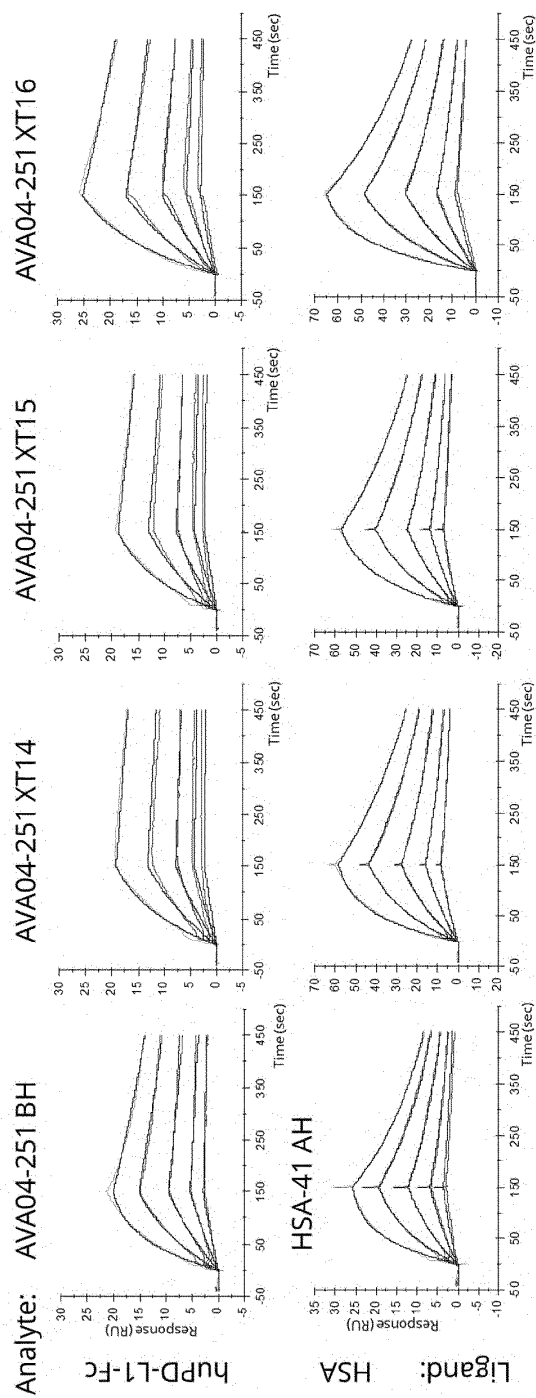
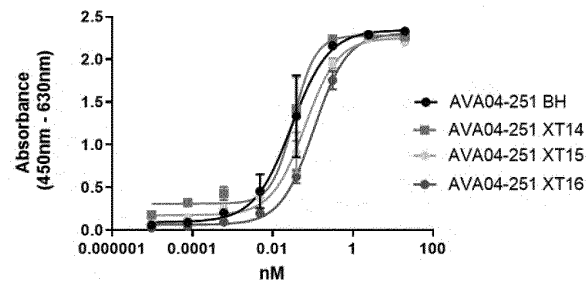


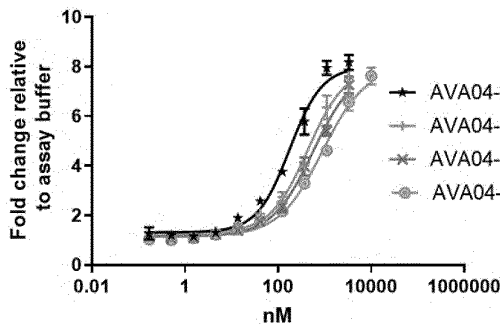
FIG. 4

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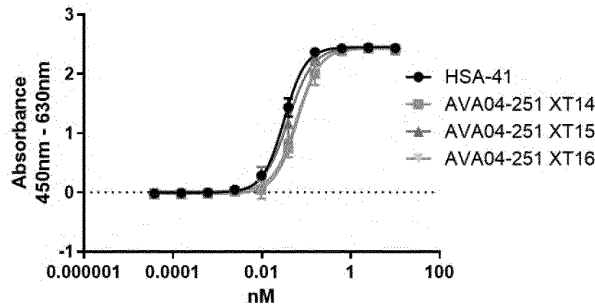
IC ₅₀ (nM)	
AVA04-251 BH	0.03
AVA04-251 XT14	0.033
AVA04-251 XT15	0.064
AVA04-251 XT16	0.11

FIG. 5



IC ₅₀ (nM)	
AVA04-251 BH	893
AVA04-251 XT14	176
AVA04-251 XT15	434
AVA04-251 XT16	564

FIG. 6



EC ₅₀ (nM) pH 7.4	
HSA-41	0.04
AVA04-251 XT14	0.062
AVA04-251 XT15	0.039
AVA04-251 XT16	0.059

FIG. 7

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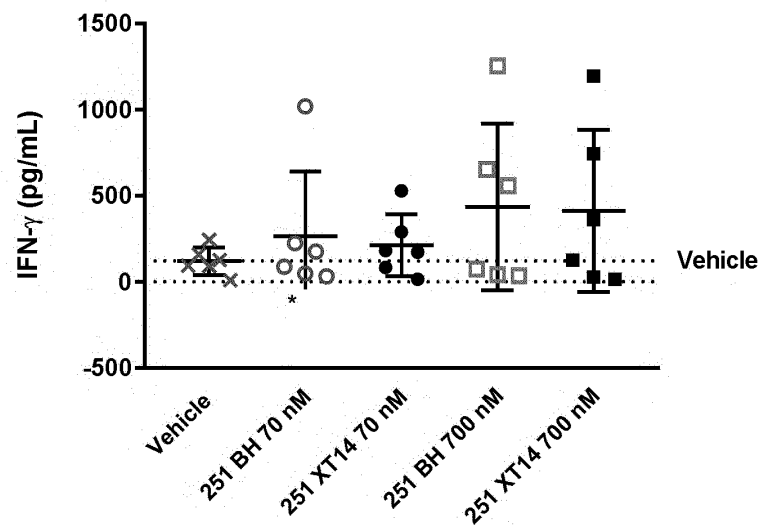
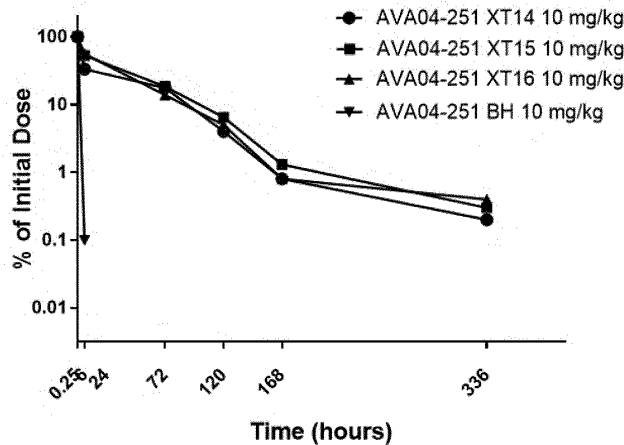


FIG. 8



Half-life $t_{1/2}$	AVA04-251 BH	AVA04-251 XT14	AVA04-251 XT15	AVA04-251 XT16
Average (h)	3.2	23.8	24.19	24.22

FIG. 9

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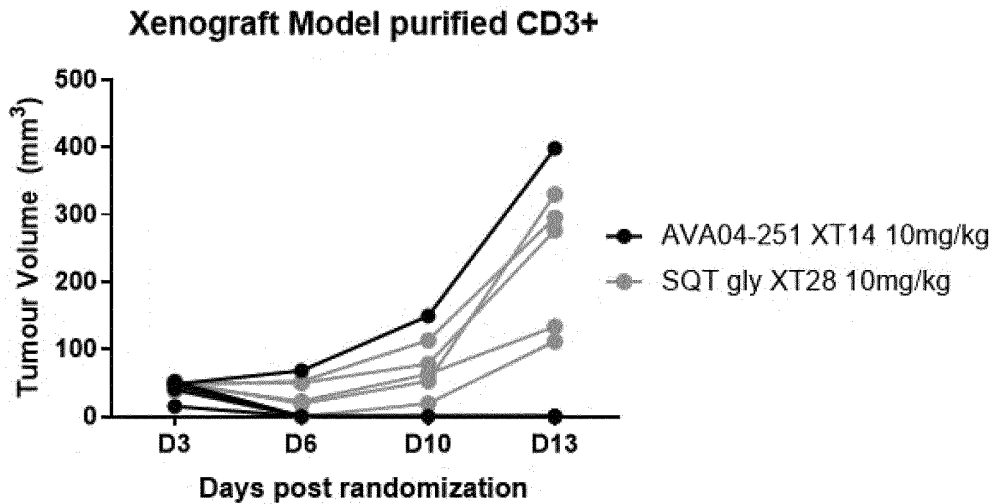


FIG. 10A

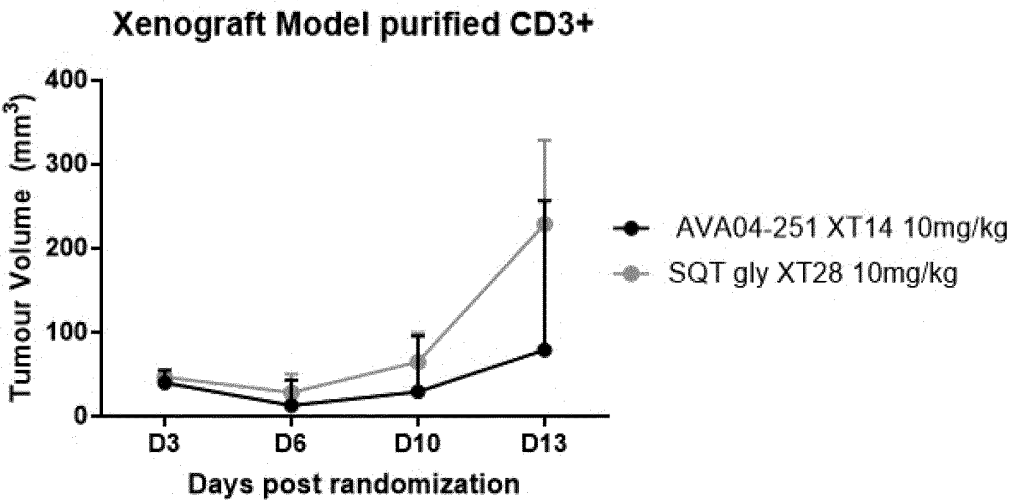


FIG. 10B

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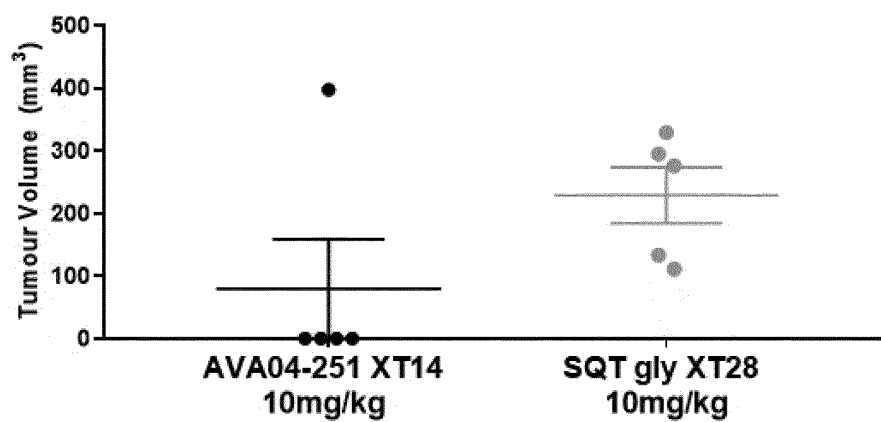


FIG. 10C

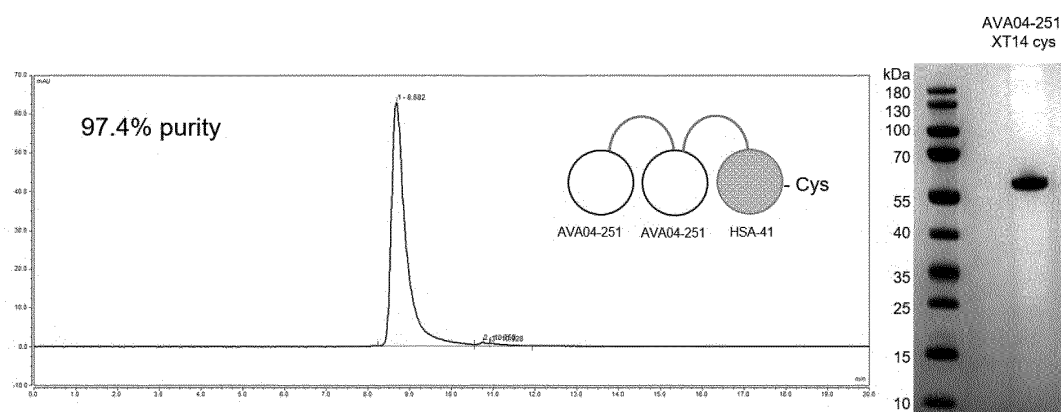


FIG. 11

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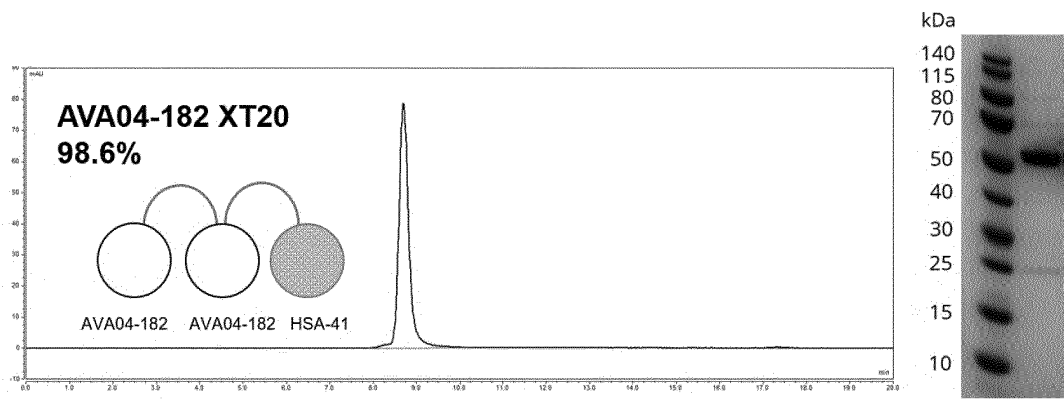


FIG. 12A

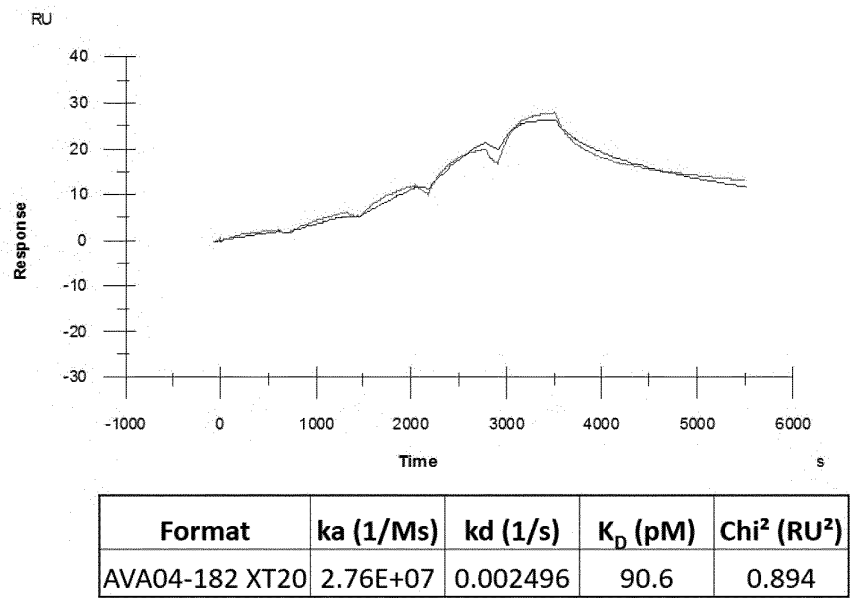


FIG. 12B

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Affimer binding to MSA, pH 7

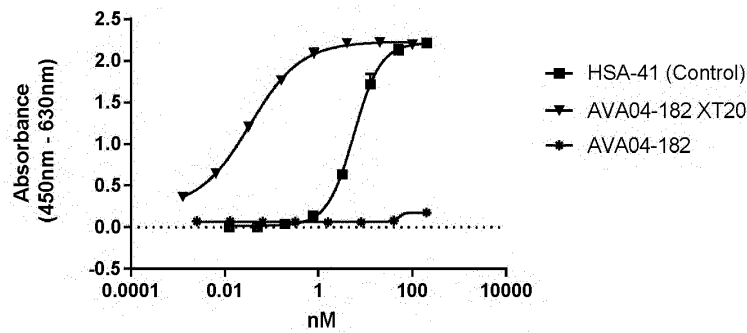


FIG. 13A

Affimer binding to MSA, pH 6.0

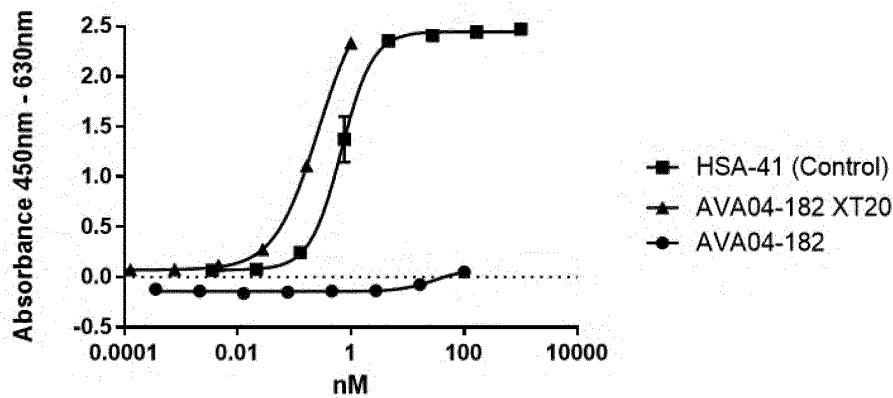
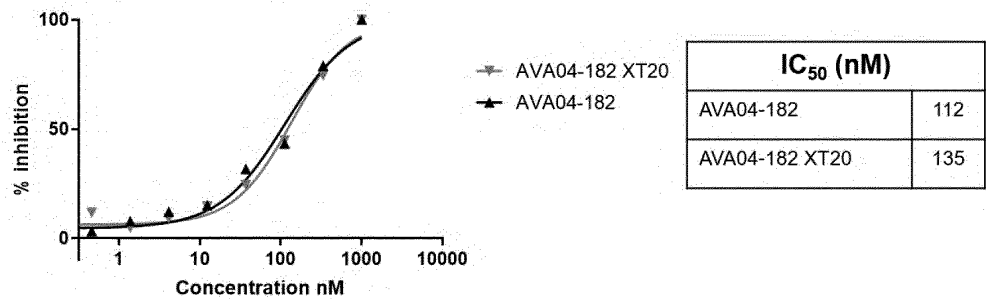


FIG. 13B

mPD-L1 Competition ELISA



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FIG. 13C

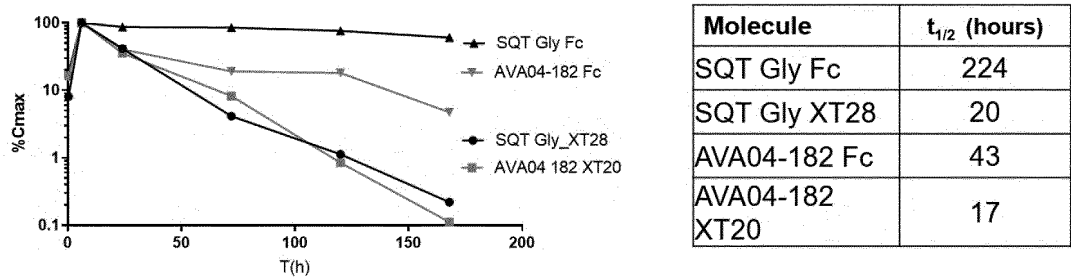


FIG. 14

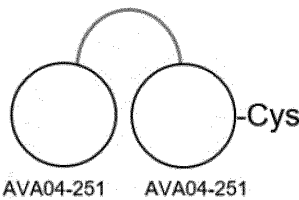


FIG. 15A

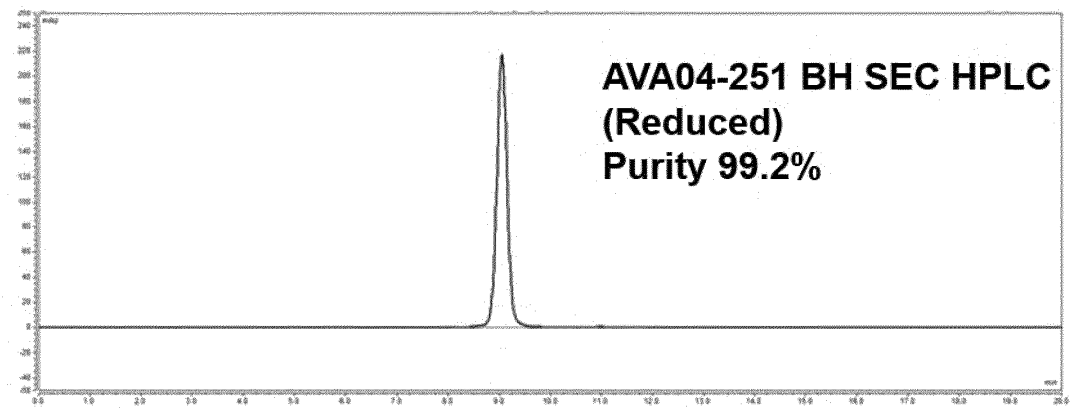


FIG. 15B

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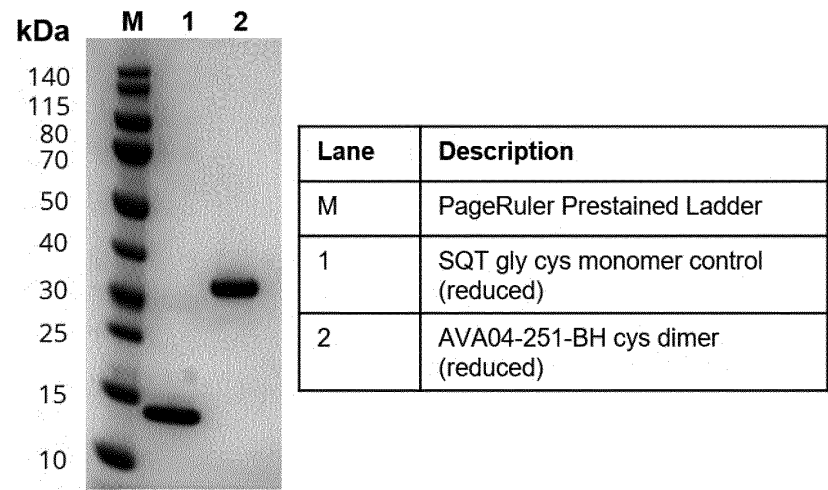


FIG. 15C

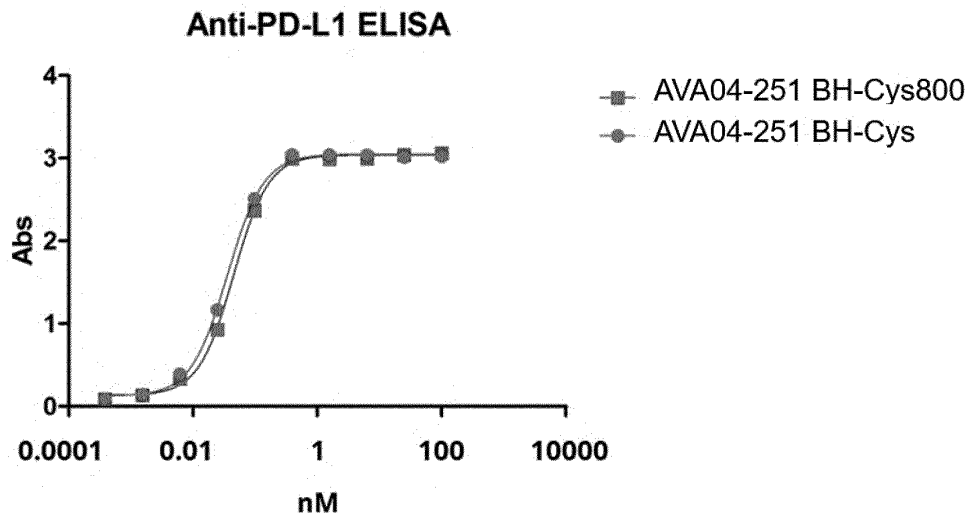


FIG. 16A

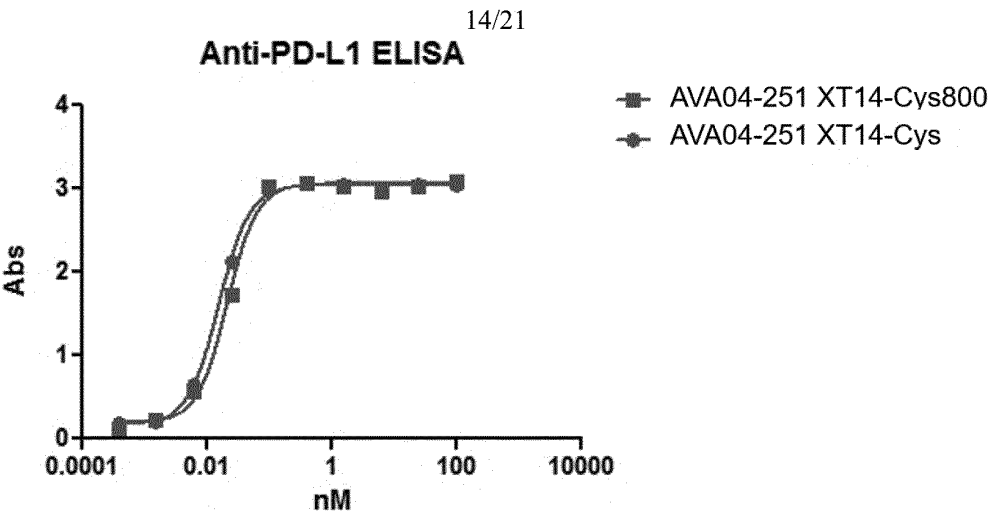
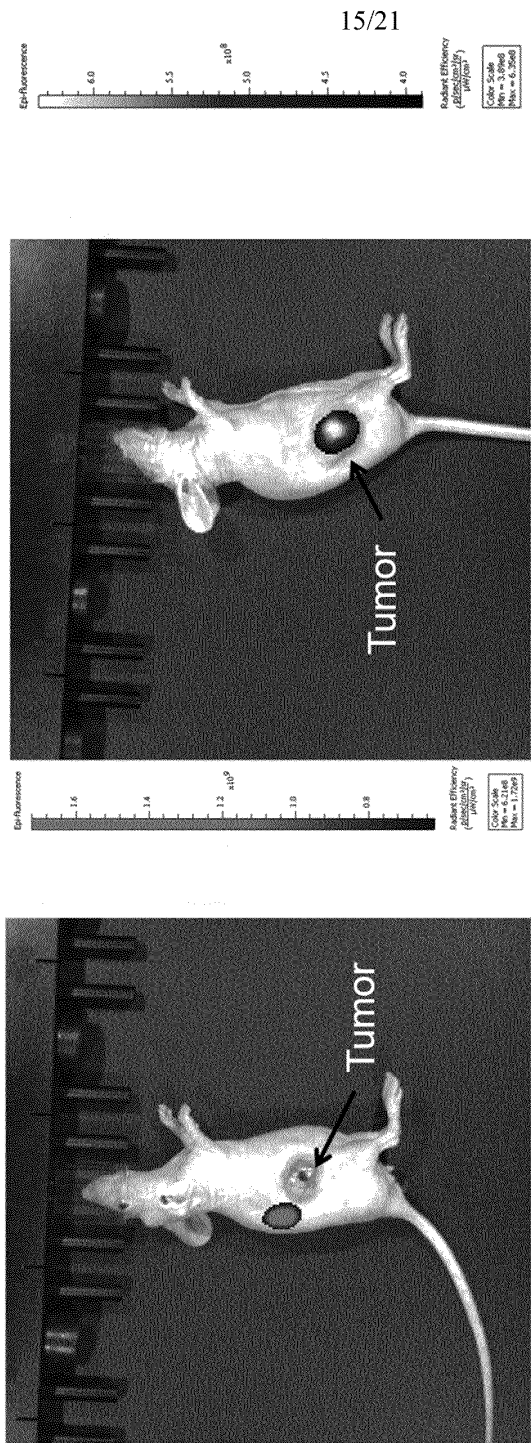


FIG. 16B



Representative data at 4h

FIG. 17

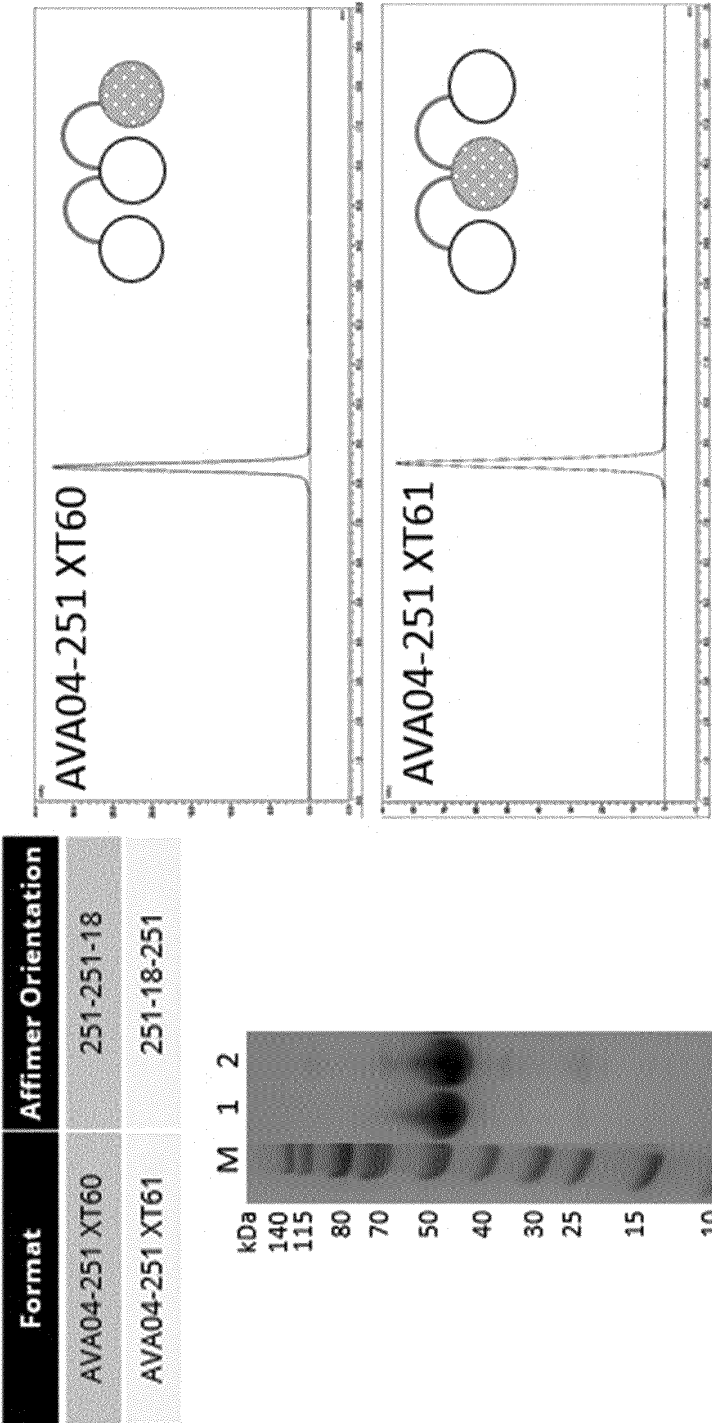
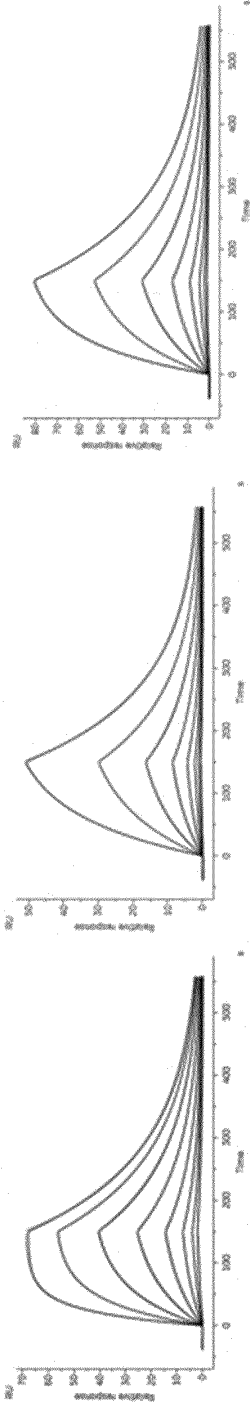


FIG. 18

HSA-18 AH

AVA04-251 XT60

AVA04-251 XT61



Affimer	Format	Kinetics χ^2 (RU ²)	k_a (1/Ms)	k_d (1/s)	KD (M)
HSA-18 AH	monomer	1.12E-01	7.14E+04	7.80E-03	1.09E-07
AVA04-251 XT60	Trimer, 251-251-18	4.13E-02	1.28E+04	8.46E-03	6.61E-07
AVA04-251 XT61	Trimer, 251-18-251	1.29E-01	2.33E+04	7.58E-03	3.25E-07

FIG. 19A

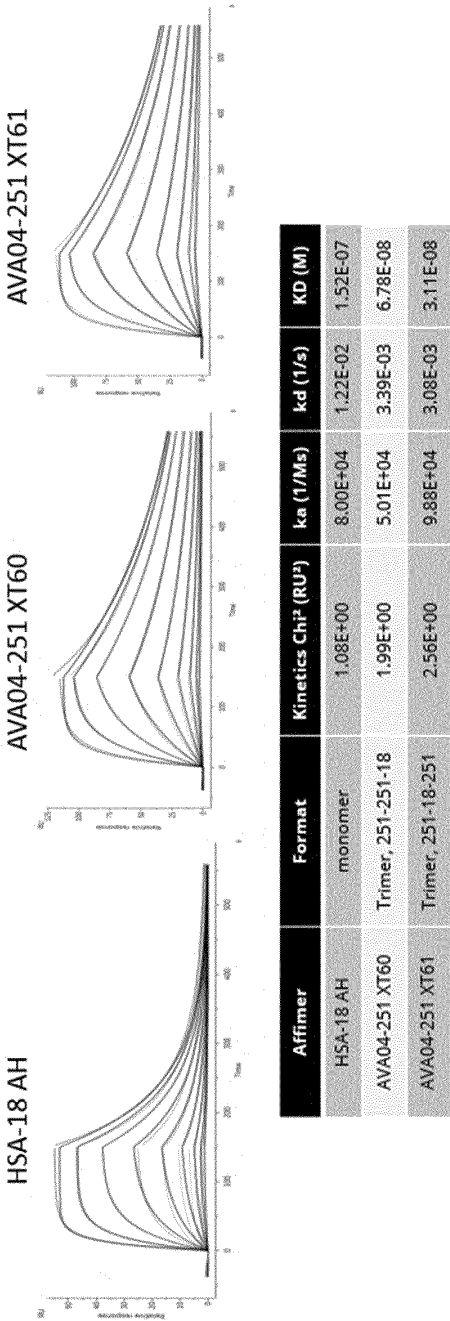


FIG. 19B

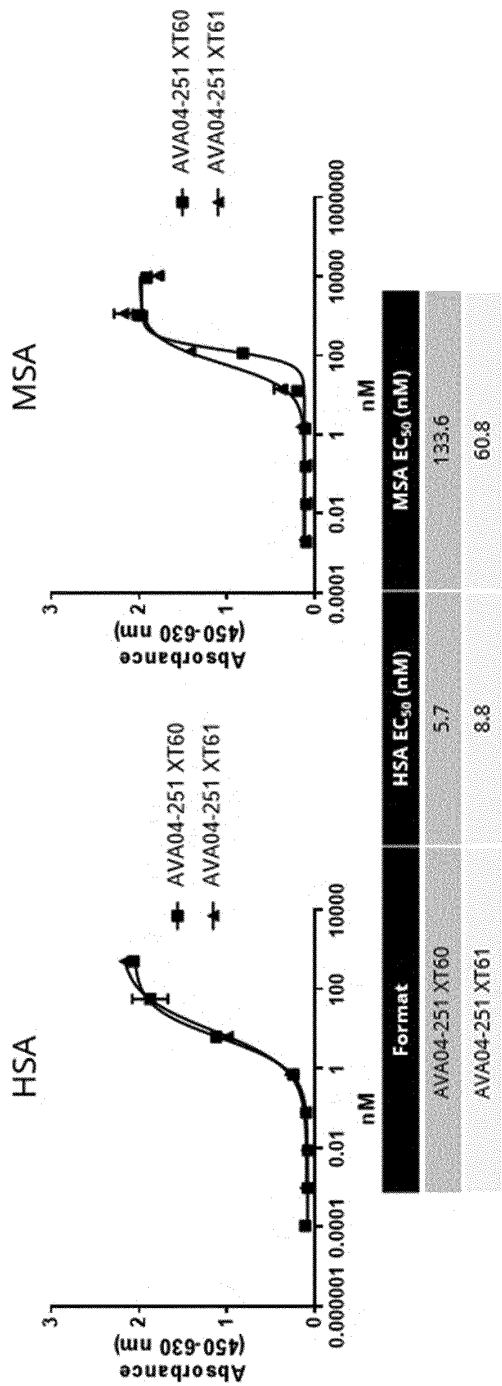


FIG. 20

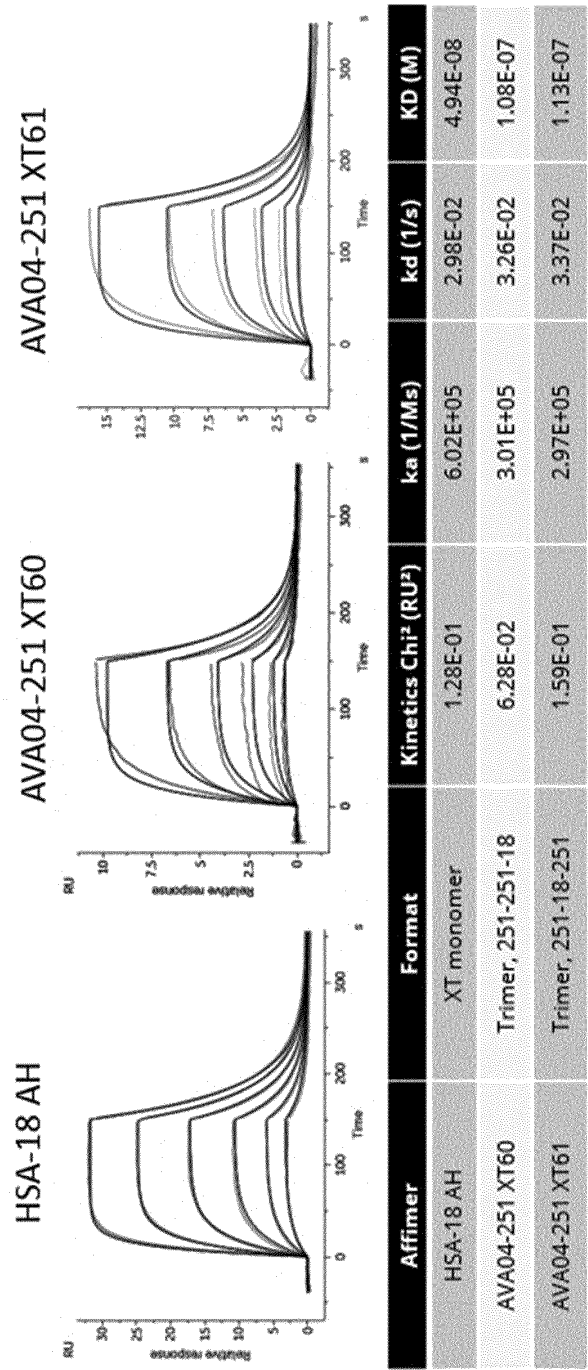


FIG. 21

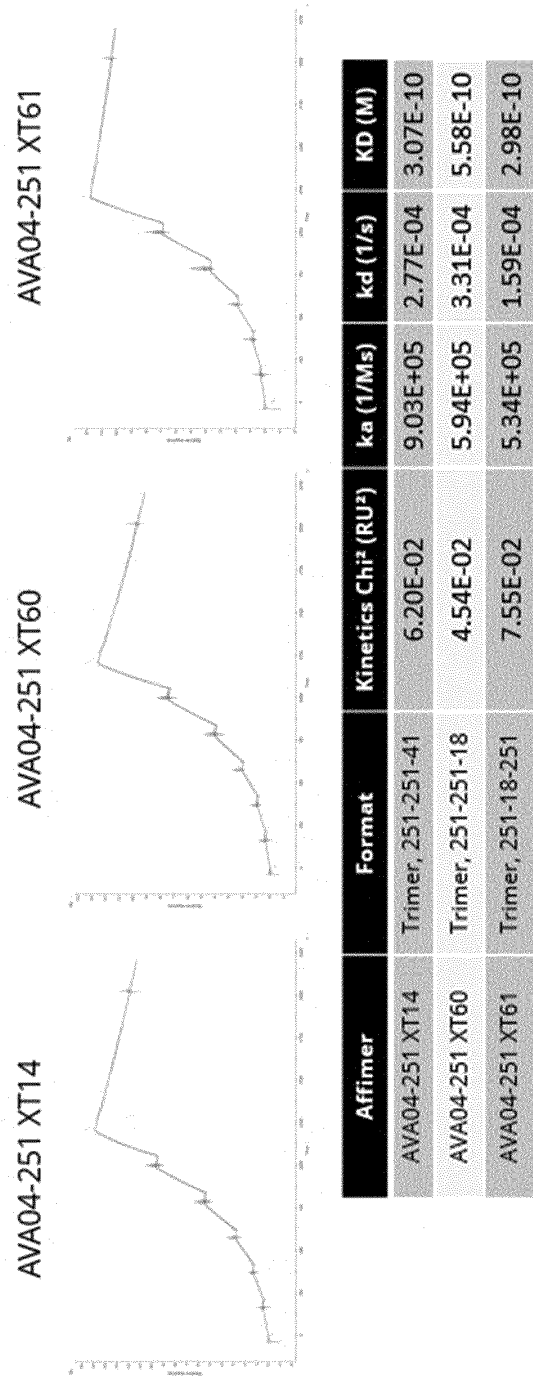


FIG. 22