

1/19

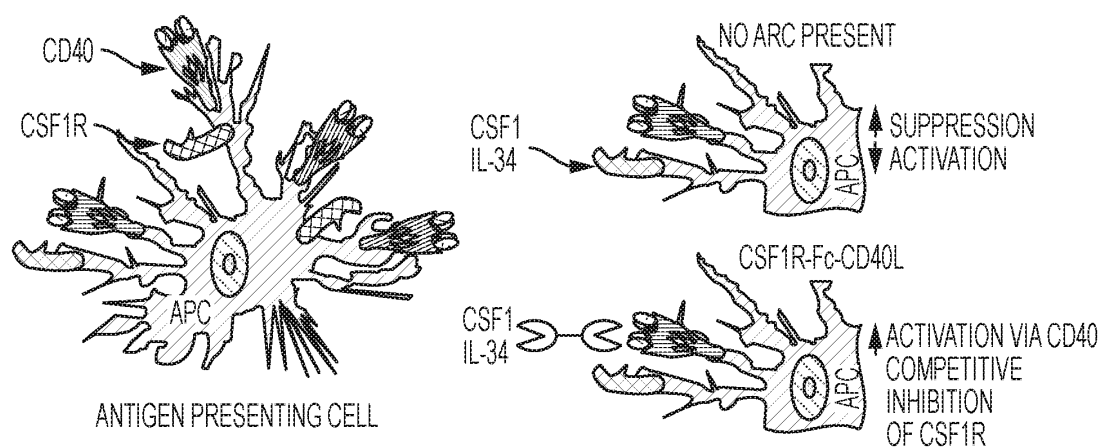


FIG. 1A

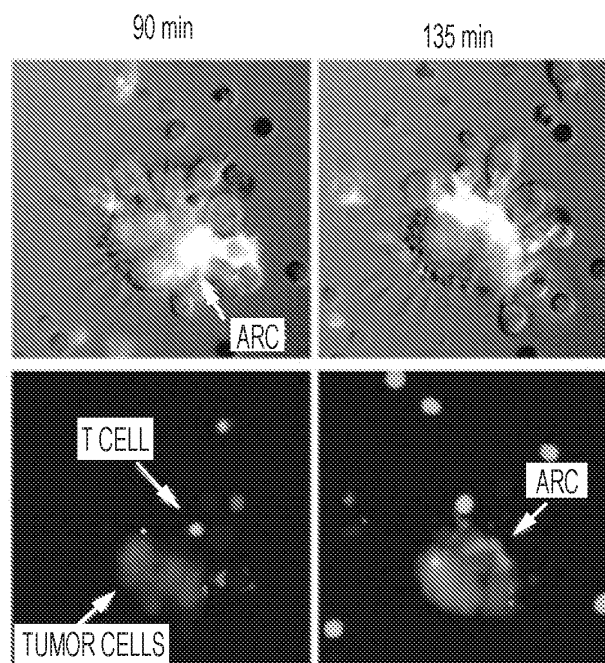


FIG. 1B

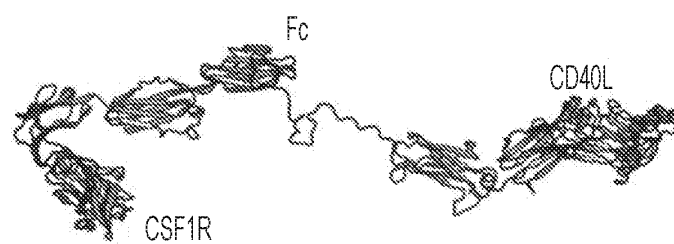


FIG. 1C

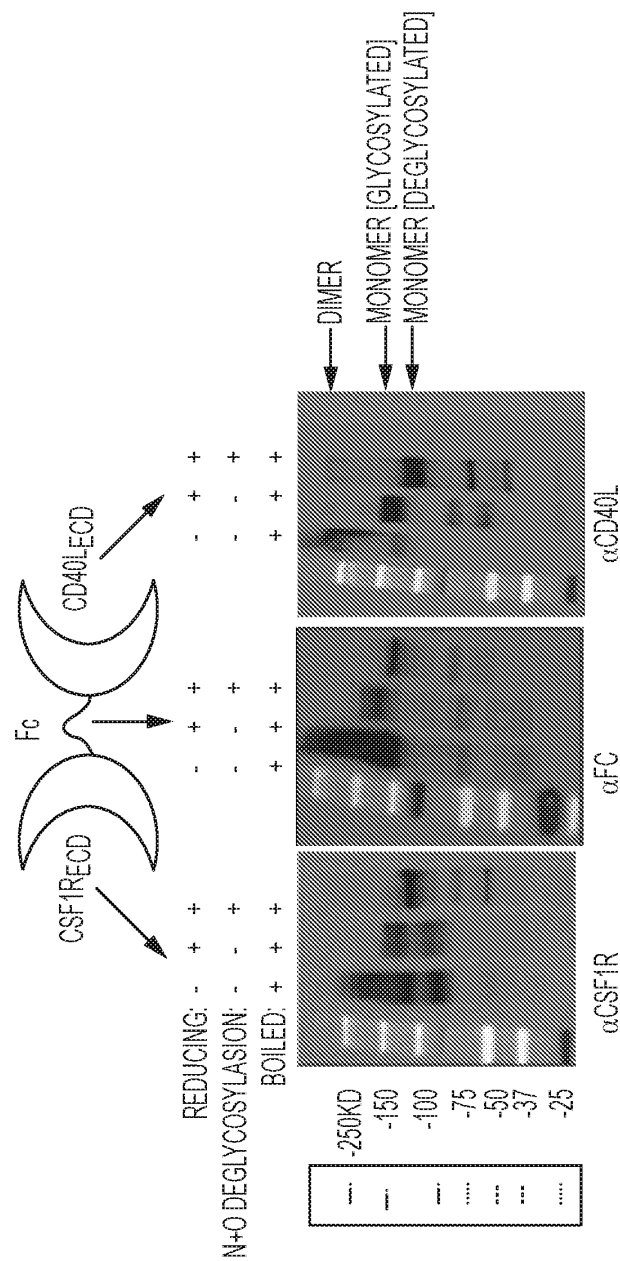


FIG. 2

4/19

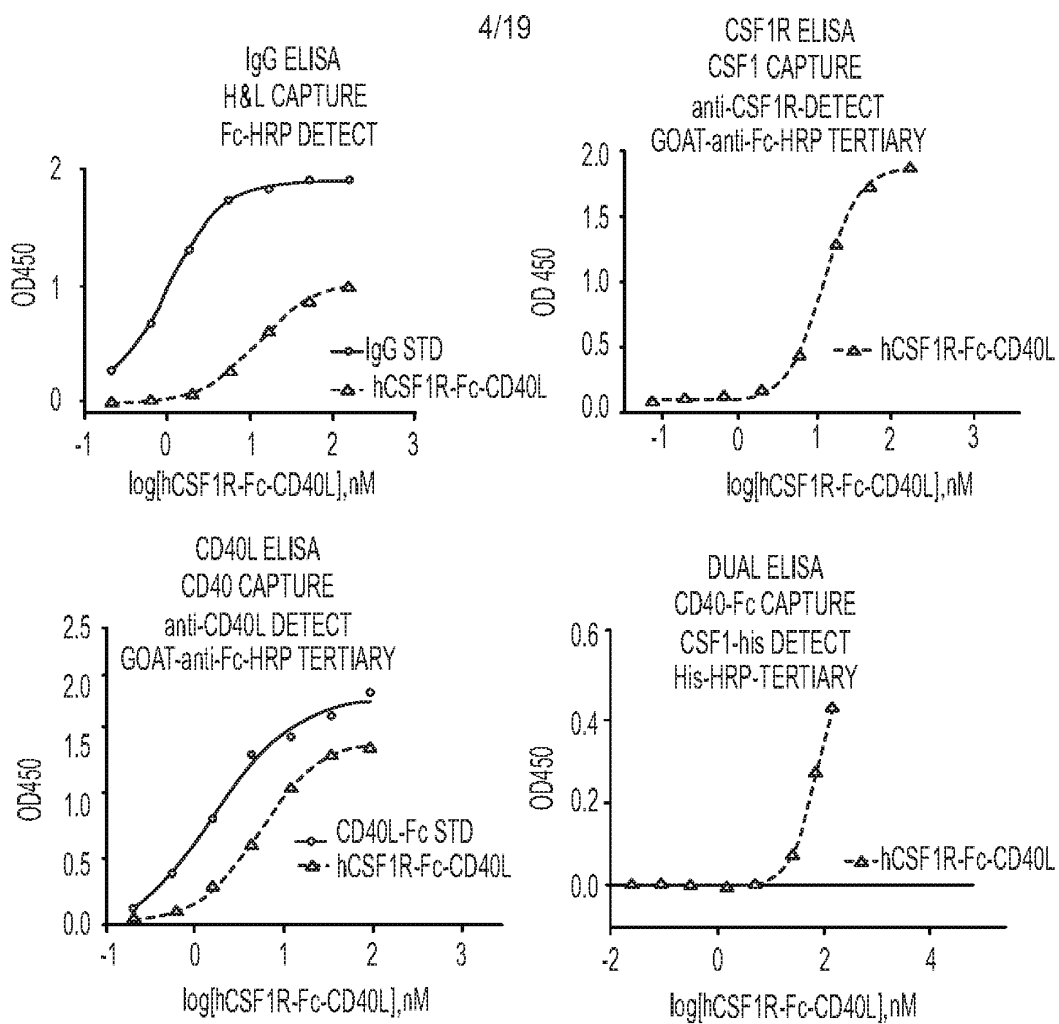


FIG. 3

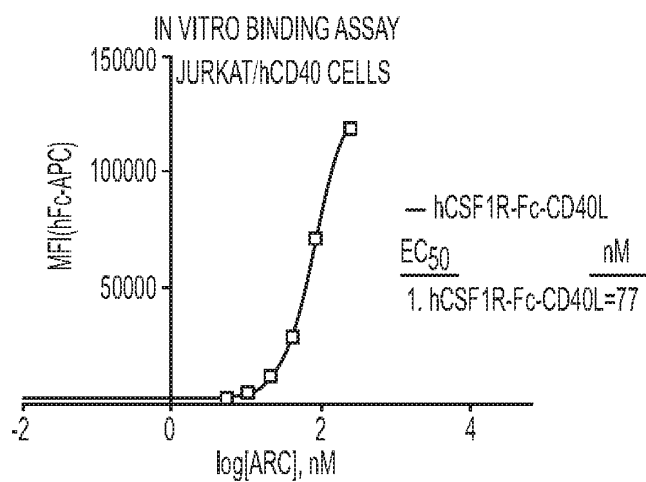


FIG. 4

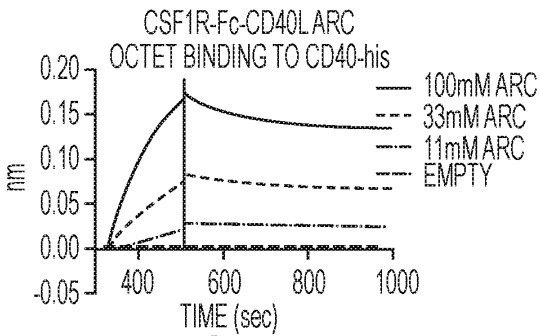


FIG. 5A

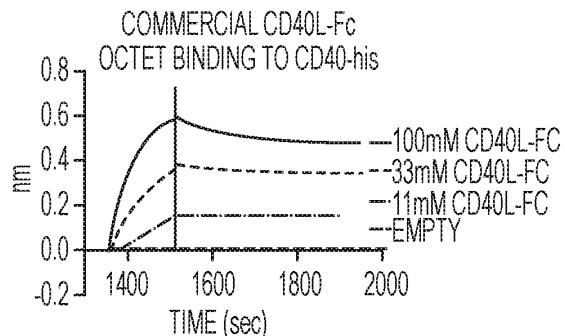


FIG. 5B

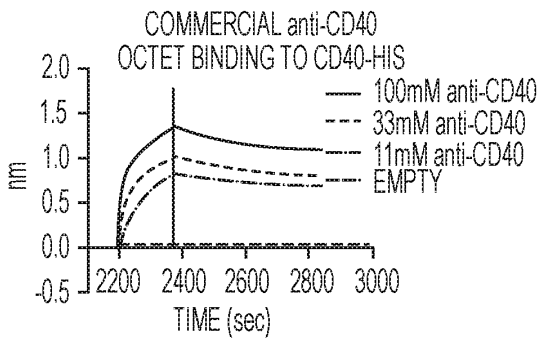


FIG. 5C

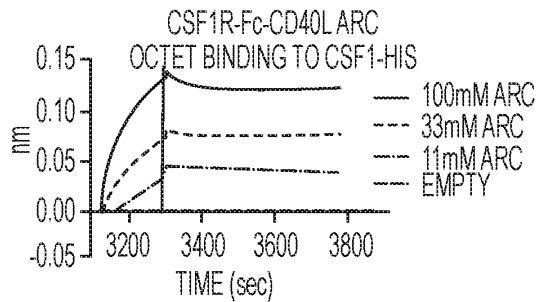


FIG. 5D

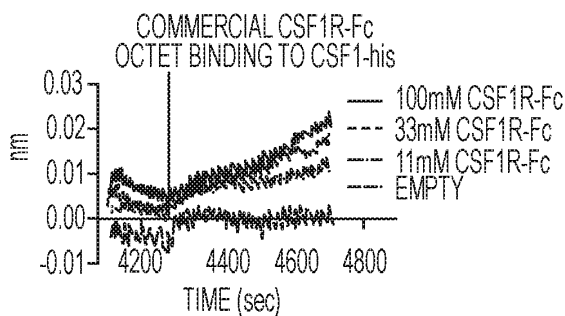


FIG. 5E

SAMPLE ID	LIGAND	KD
hCSF1-Fc-CD40L	hCD40-his	4.83 nM
hCD40L-Fc	hCD40-his	2.42 nM
anti-hCD40	hCD40-his	1.22 nM
hCSF1R-Fc-CD40L	hCSF1-his	6.46 pM
hCSF1R-Fc	hCSF1-his	ND

FIG. 5F

6/19

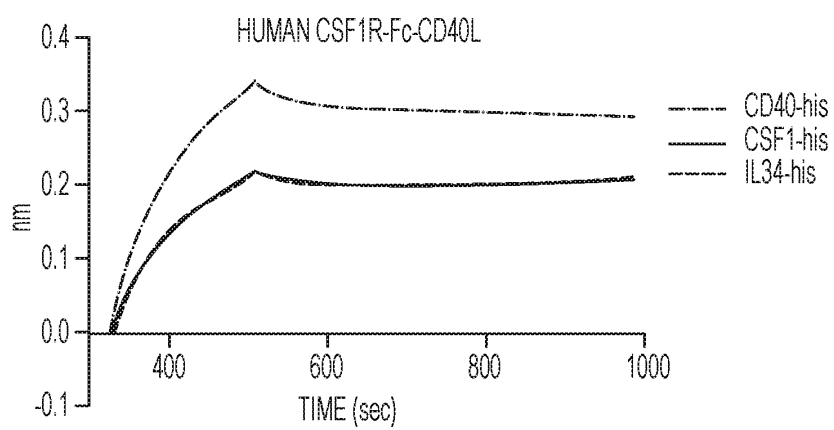


FIG. 6

7/19

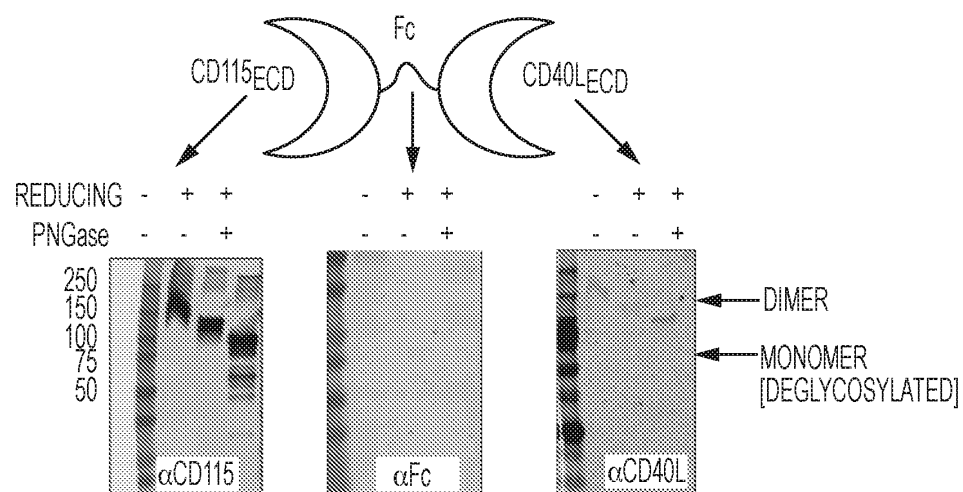


FIG. 7A

8/19

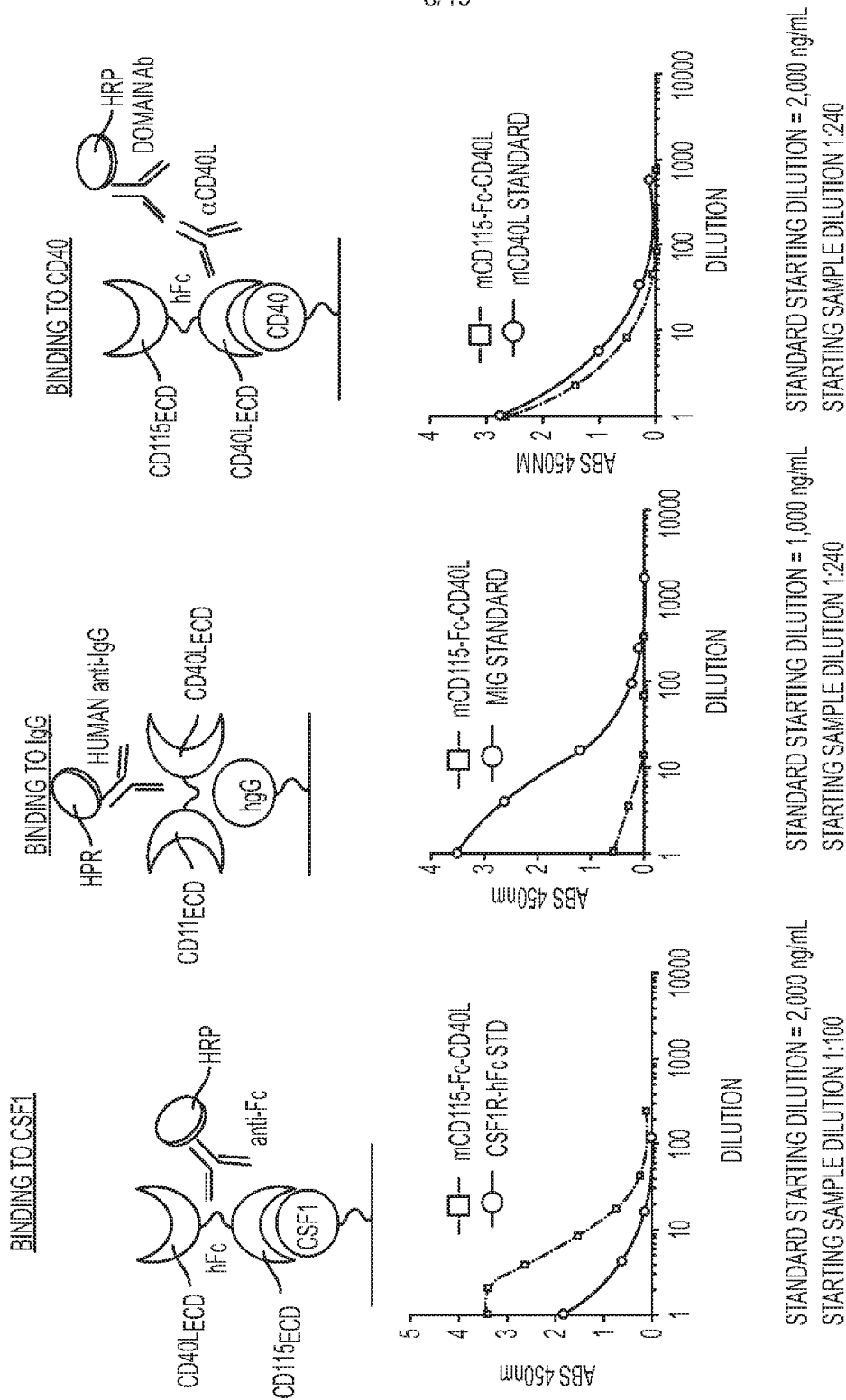


FIG.7B

9/19

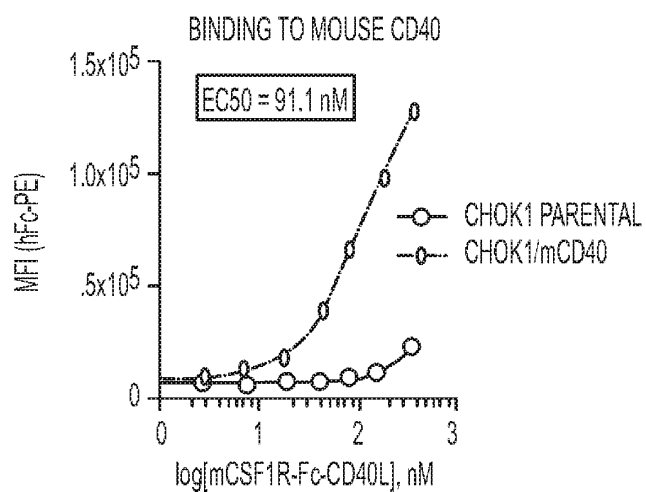


FIG. 8

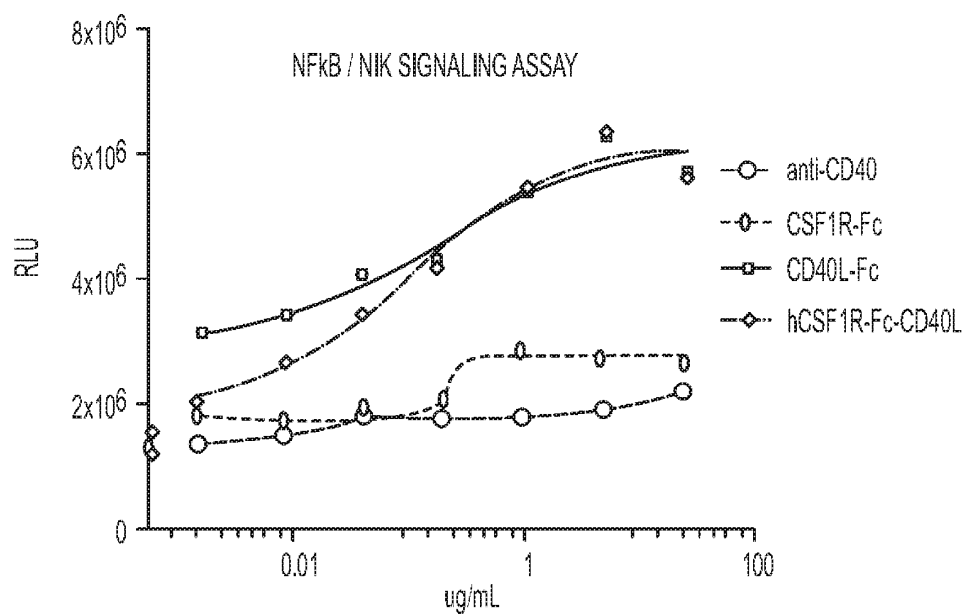


FIG. 9

10/19

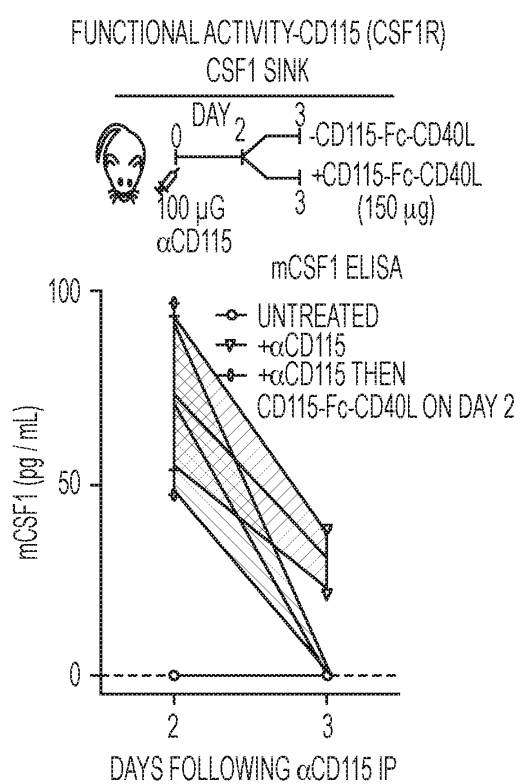


FIG. 10A

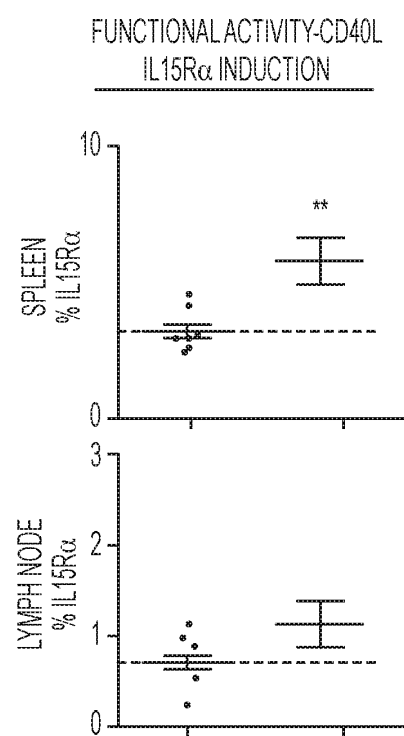


FIG. 10B

11/19

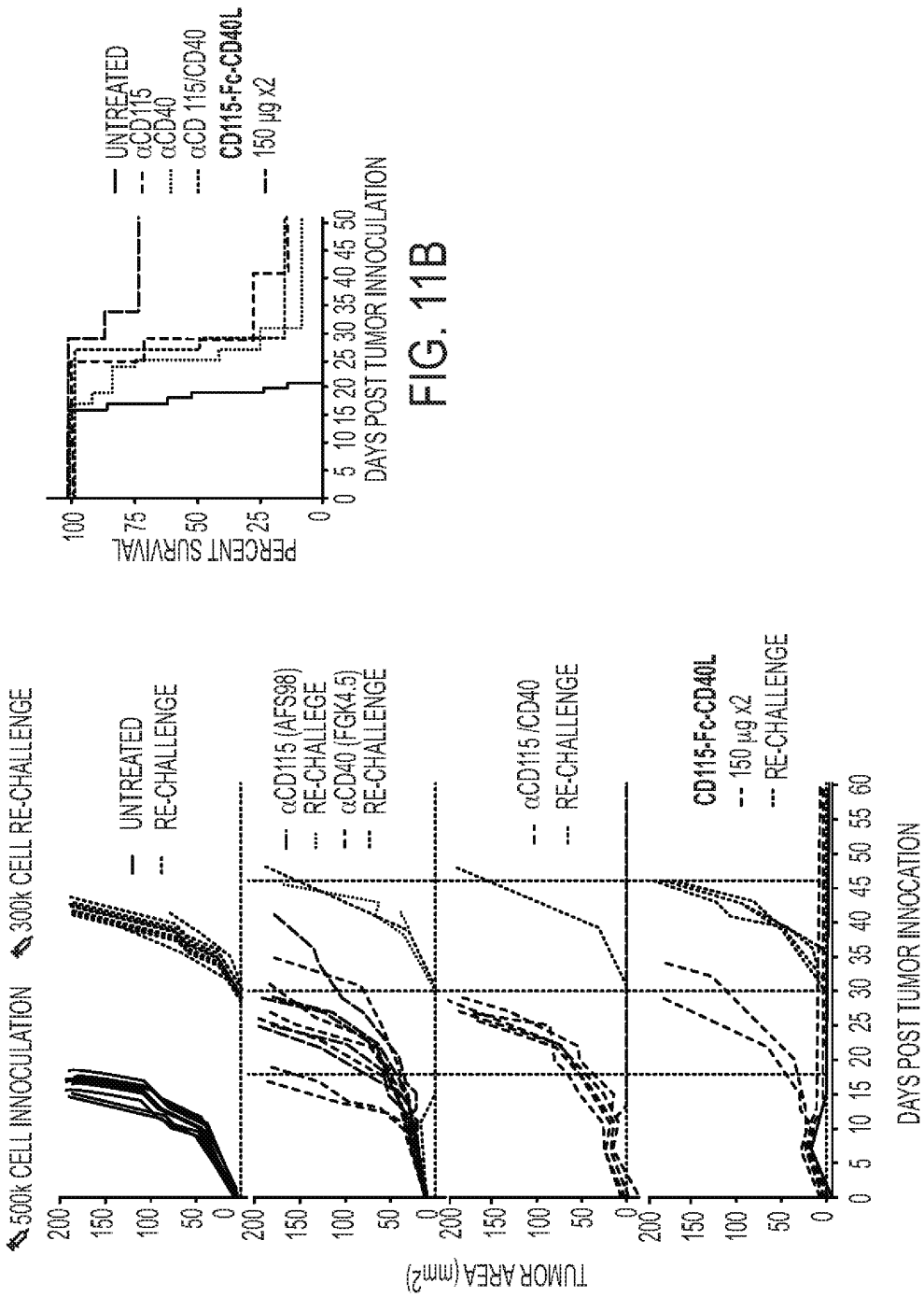


FIG. 11B

FIG. 11A

12/19

GROUP	TOTAL, N	SHORT-TERM, N (IMMUNE PROFILING)	LONG-TERM, N (TUMOR GROWTH/SURVIVAL)	% REJECTION (PRIMARY TUMOR)	% REJECTION (RE-CHALLENGE)
UNTREATED	33	12	21	0.0	0.0
α CD115 (AFS98)	7	/	7	14.3	0
α CD40 (FGK4.5)	12	/	12	8.3	0
α CD115/CD40	7	/	7	14.3	0
CD115-Fc-CD40L (150 μ g x2)	9	2	7	71.4	0

FIG. 11C

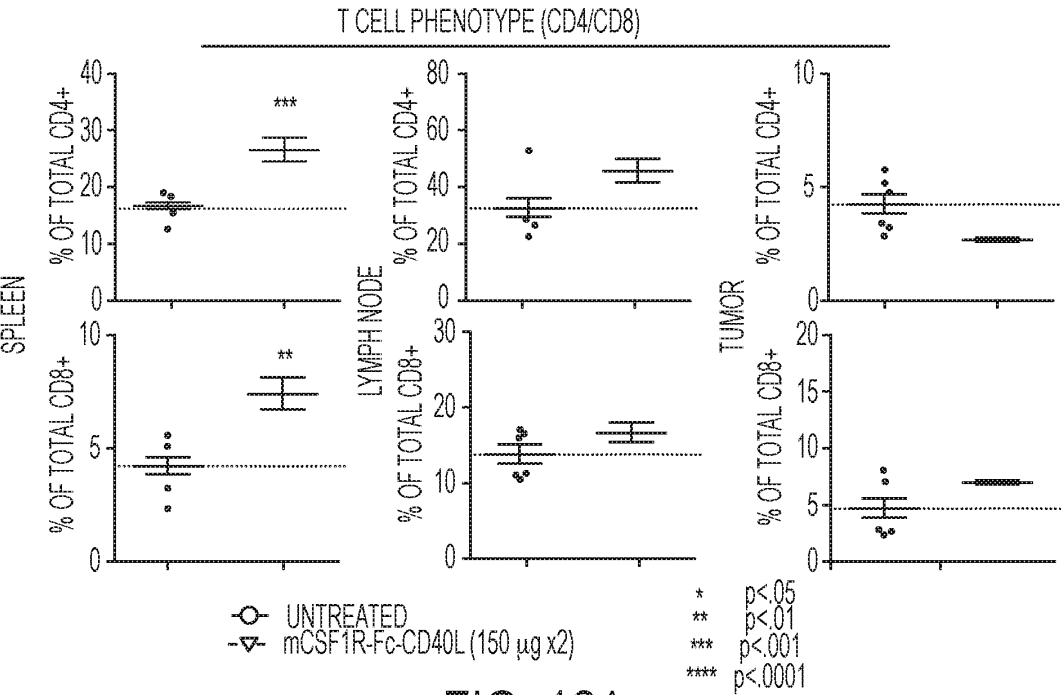


FIG. 12A

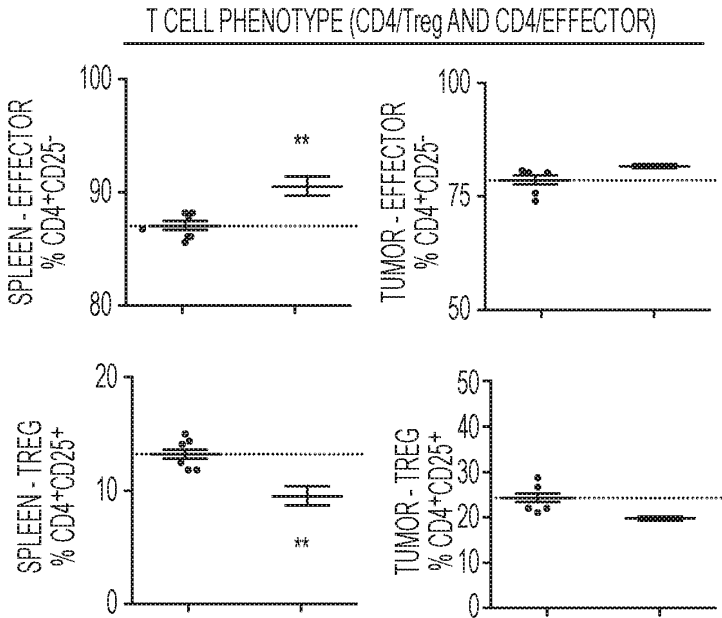


FIG. 12B

14/19

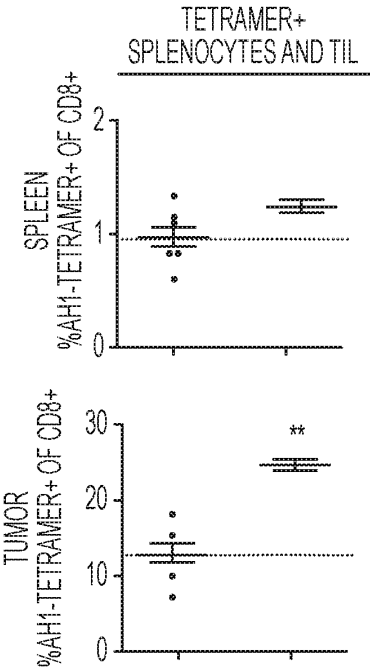


FIG. 12C

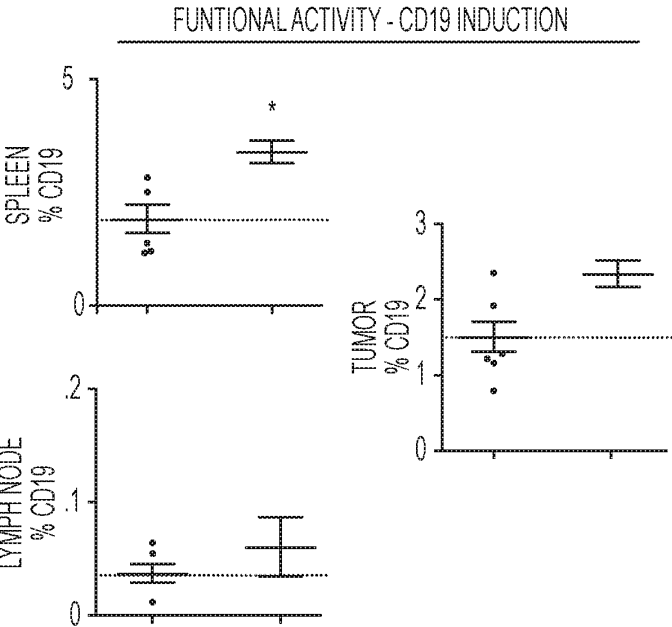


FIG. 12D

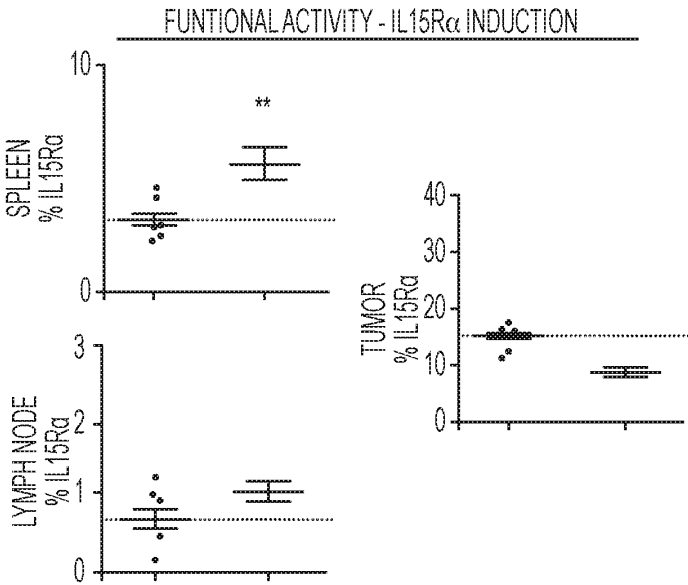


FIG. 12E

15/19

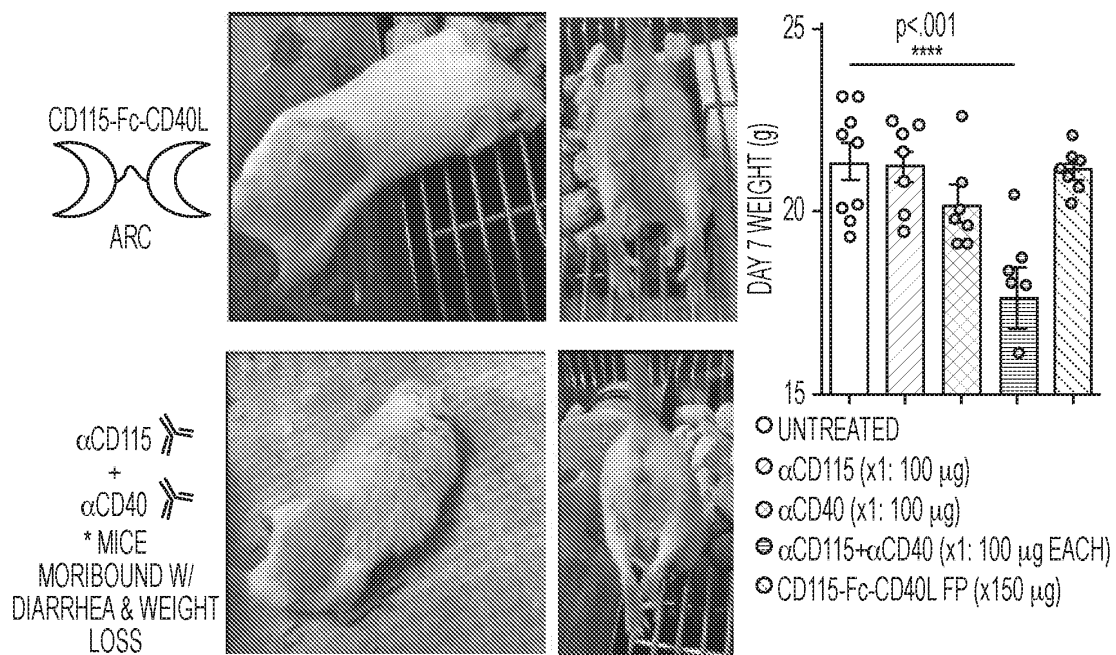


FIG. 13A

FIG. 13B

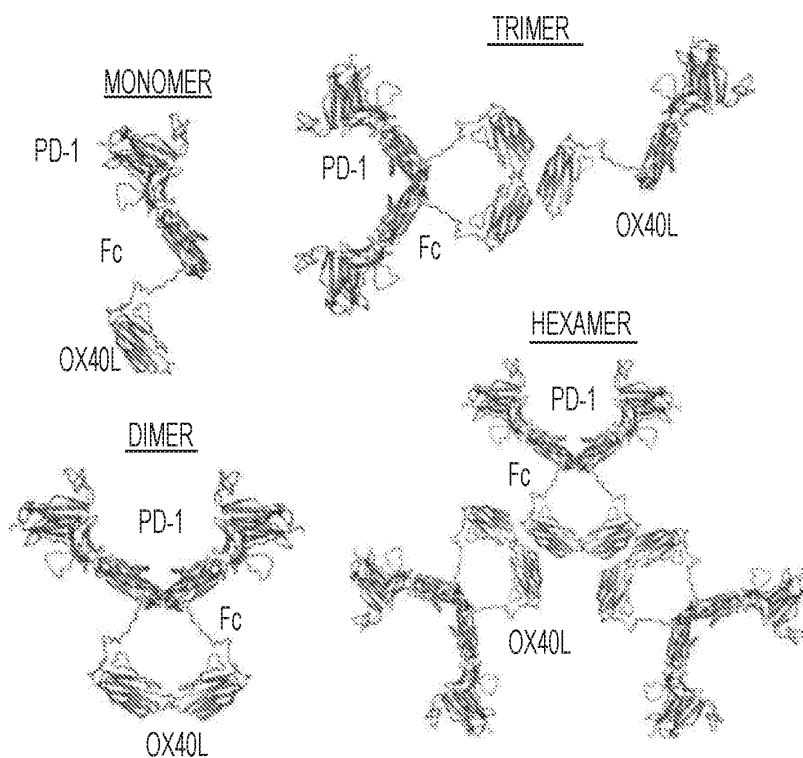


FIG. 14

16/19

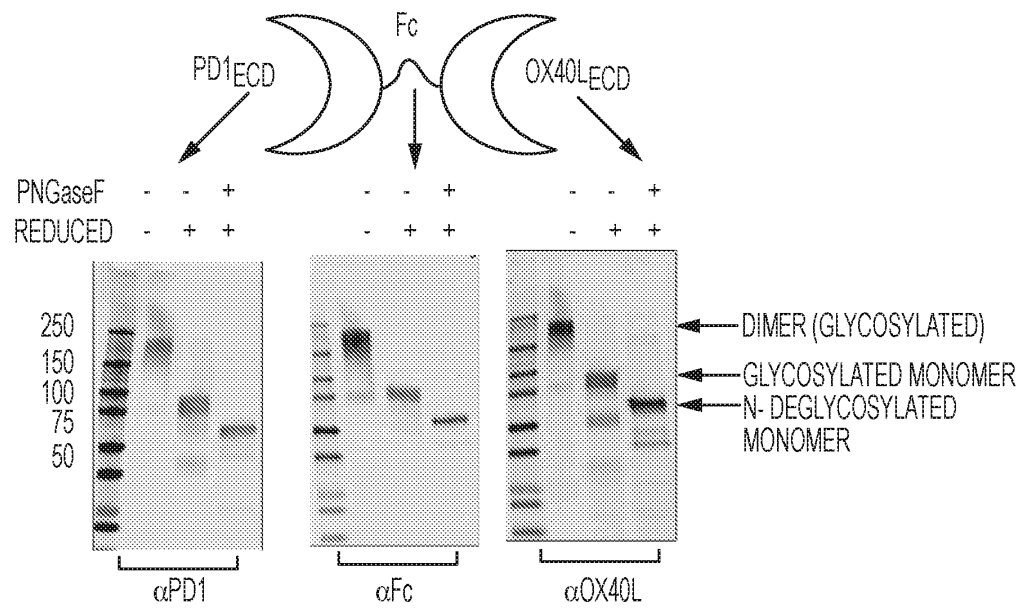


FIG. 15

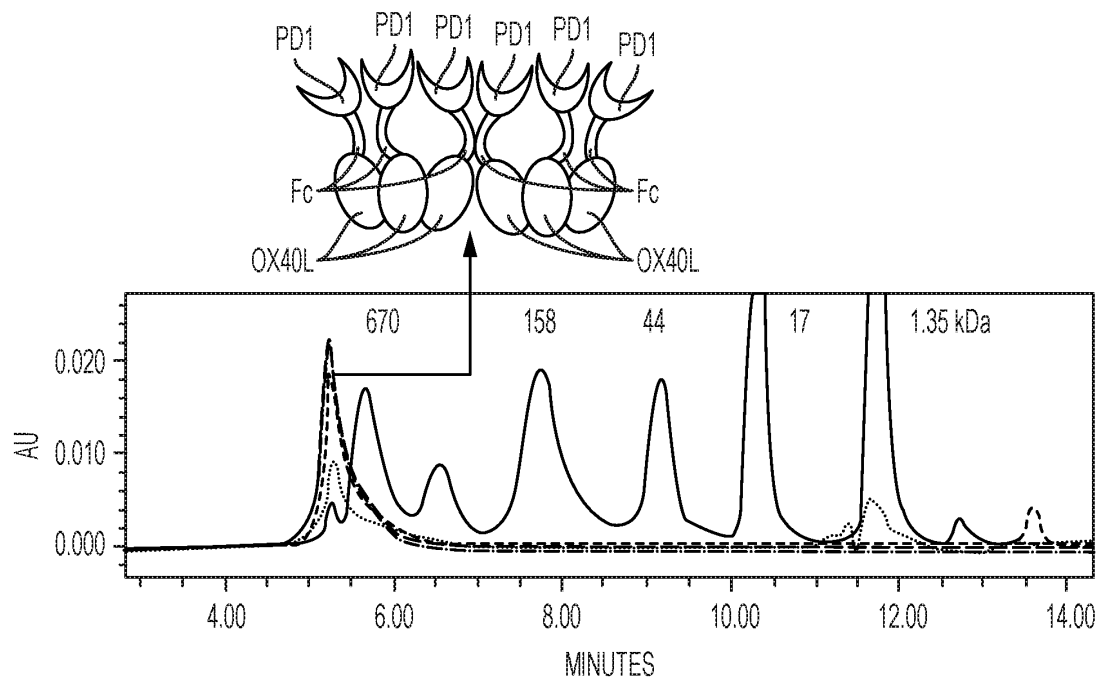


FIG. 16

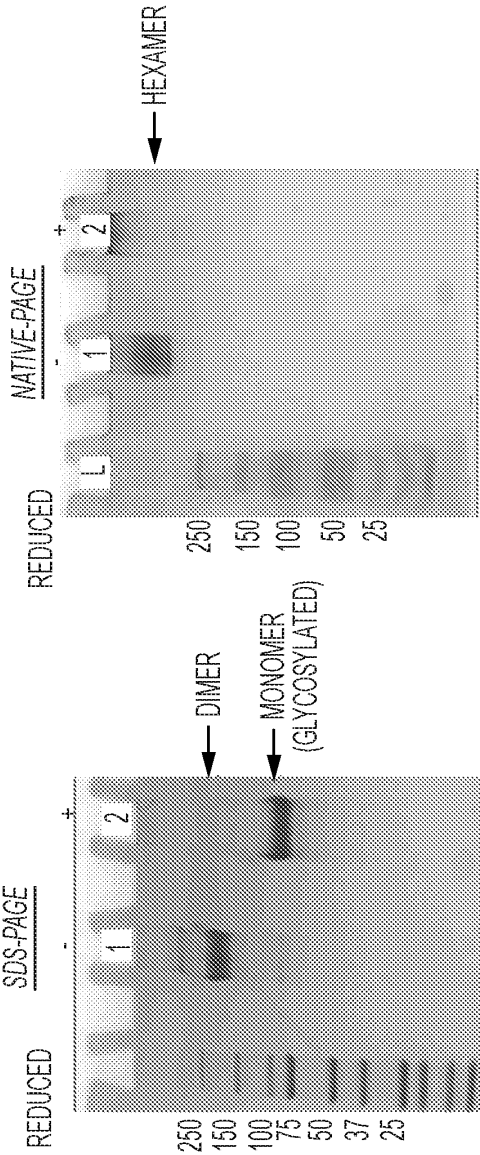


FIG. 17

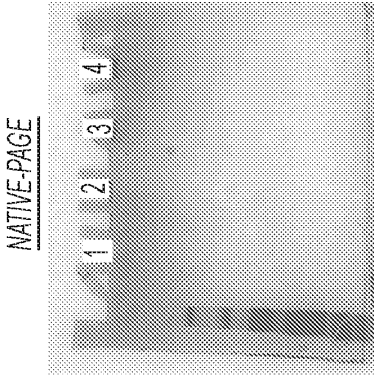


FIG. 18

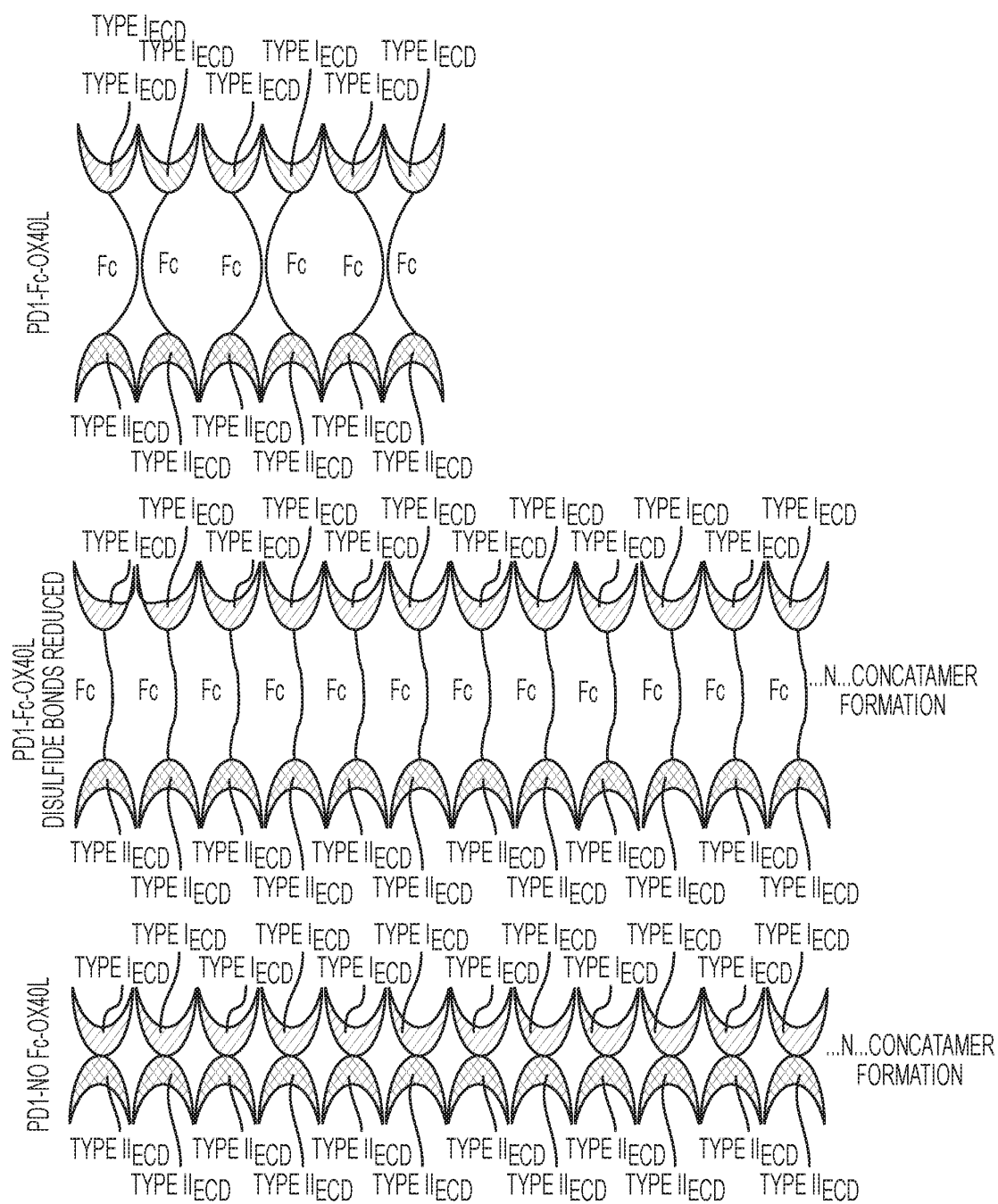


FIG. 19

Joining Linker 1	Fc	Joining Linker 2	Linker Module = Joining Linker 1 + Fc + Joining Linker 2
SKYGPCCPSCP (SEQ ID NO: 28)	APEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTV LHQDWLGSKEYKCKVSSKGLPSSIEKTIISNATQPREPQ VYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQ PENNYKTTTPVLDSDGSGFFFLYSRLTVDKSWQEGNVFSC SVLHEALHNHYTQKSLSLGLK (SEQ ID NO: 25)	LEGKMD (SEQ ID NO: 31)	SKYGPCCPSCPAPPEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTVPHQDWLS GKEYKCKVSSKGLPSSIEKTIISNATQPREQVYTLPPSQEEMTKNQV SLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSGFFFLYSRLT VDKSWQEGNVFSCSVLHEALHNHYTQKSLSLGLKIEGRMD (SEQ ID NO: 75)
SKYGPCCPSCP (SEQ ID NO: 28)	APEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTV PHQDWLGSKEYKCKVSSKGLPSSIEKTIISNATQPREPQ VYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQ PENNYKTTTPVLDSDGSGFFFLYSRLTVDKSWQEGNVFSC SVLHEALHNHYTQKSLSLGLK (SEQ ID NO: 26)	LEGKMD (SEQ ID NO: 31)	SKYGPCCPSCPAPPEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTVPHQDWLS GKEYKCKVSSKGLPSSIEKTIISNATQPREQVYTLPPSQEEMTKNQV SLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSGFFFLYSRLT VDKSWQEGNVFSCSVLHEALHNHYTQKSLSLGLKIEGRMD (SEQ ID NO: 76)
SKYGPCCPSCP (SEQ ID NO: 28)	APEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTV LHQDWLGSKEYKCKVSSKGLPSSIEKTIISNATQPREPQ VYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQ PENNYKTTTPVLDSDGSGFFFLYSRLTVDKSWQEGNVFSC SVLHEALHNHYTQKSLSLGLK (SEQ ID NO: 27)	LEGKMD (SEQ ID NO: 31)	SKYGPCCPSCPAPPEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTVPHQDWLS GKEYKCKVSSKGLPSSIEKTIISNATQPREQVYTLPPSQEEMTKNQV SLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSGFFFLYSRLT VDKSWQEGNVFSCSVLHEALHNHYTQKSLSLGLKIEGRMD (SEQ ID NO: 77)
SKYGPCCPSCP (SEQ ID NO: 29)	APEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTV LHQDWLGSKEYKCKVSSKGLPSSIEKTIISNATQPREPQ VYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQ PENNYKTTTPVLDSDGSGFFFLYSRLTVDKSWQEGNVFSC SVLHEALHNHYTQKSLSLGLK (SEQ ID NO: 25)	LEGKMD (SEQ ID NO: 31)	SKYGPCCPSCPAPPEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTVPHQDWLS GKEYKCKVSSKGLPSSIEKTIISNATQPREQVYTLPPSQEEMTKNQV SLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSGFFFLYSRLT VDKSWQEGNVFSCSVLHEALHNHYTQKSLSLGLKIEGRMD (SEQ ID NO: 78)
SKYGPCCPSCP (SEQ ID NO: 29)	APEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTV PHQDWLGSKEYKCKVSSKGLPSSIEKTIISNATQPREPQ VYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQ PENNYKTTTPVLDSDGSGFFFLYSRLTVDKSWQEGNVFSC SVLHEALHNHYTQKSLSLGLK (SEQ ID NO: 26)	LEGKMD (SEQ ID NO: 31)	SKYGPCCPSCPAPPEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTVPHQDWLS GKEYKCKVSSKGLPSSIEKTIISNATQPREQVYTLPPSQEEMTKNQV SLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSGFFFLYSRLT VDKSWQEGNVFSCSVLHEALHNHYTQKSLSLGLKIEGRMD (SEQ ID NO: 79)
SKYGPCCPSCP (SEQ ID NO: 29)	APEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTV LHQDWLGSKEYKCKVSSKGLPSSIEKTIISNATQPREPQ VYTLPPSQEEMTKNQVSLTCLVKGFYPSDIAVEWESNGQ PENNYKTTTPVLDSDGSGFFFLYSRLTVDKSWQEGNVFSC SVLHEALHNHYTQKSLSLGLK (SEQ ID NO: 27)	LEGKMD (SEQ ID NO: 31)	SKYGPCCPSCPAPPEFLGGPSVFLPPKPKDQLMISRTPEVTCVVVDVQAE DPEVQFNWYVDGVEVHNAKTPREQFNSTYRVVSVLTVPHQDWLS GKEYKCKVSSKGLPSSIEKTIISNATQPREQVYTLPPSQEEMTKNQV SLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSGFFFLYSRLT VDKSWQEGNVFSCSVLHEALHNHYTQKSLSLGLKIEGRMD (SEQ ID NO: 80)

FIG. 20