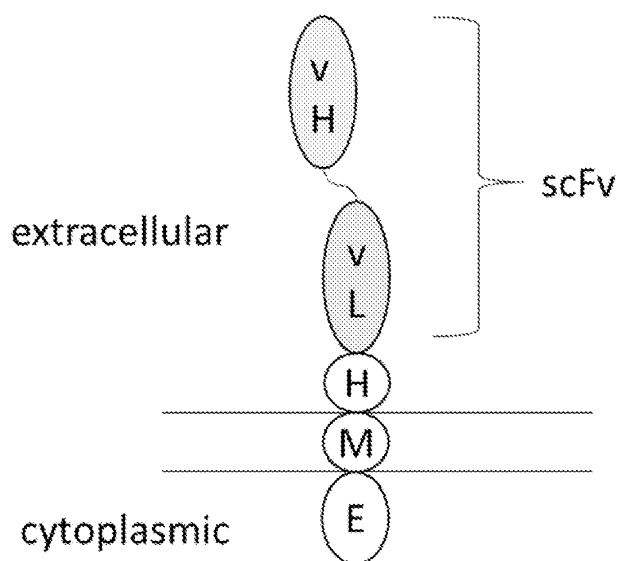


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Example of cBCR on cell membrane



vH: heavy chain variable region
vL: light chain variable region
H: hinge region
M: transmembrane domain
E: cytoplasmic signaling domain

FIG. 1

Engineered B cells with Homing Domain

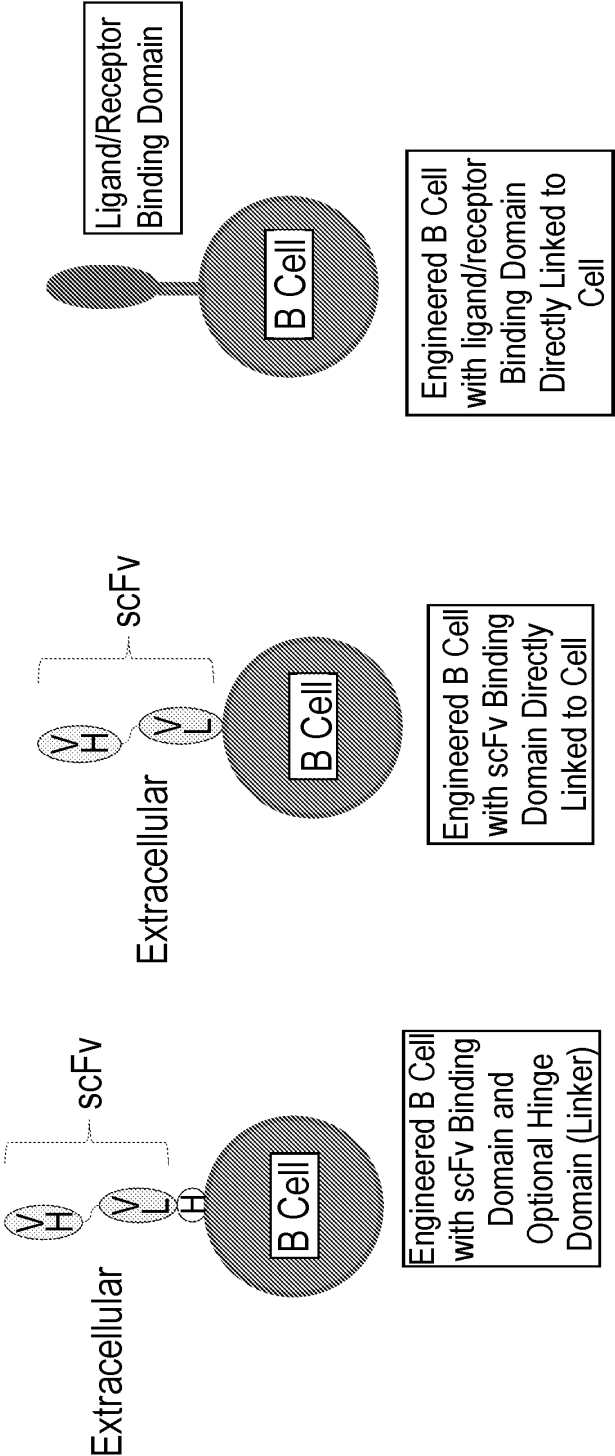


FIG. 2C

FIG. 2B

FIG. 2A

Examples of cBCR (chimeric B cell receptor)

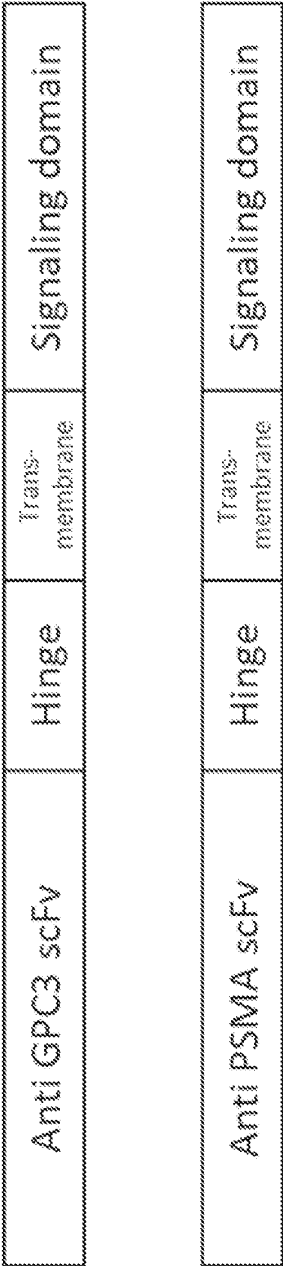


FIG. 3

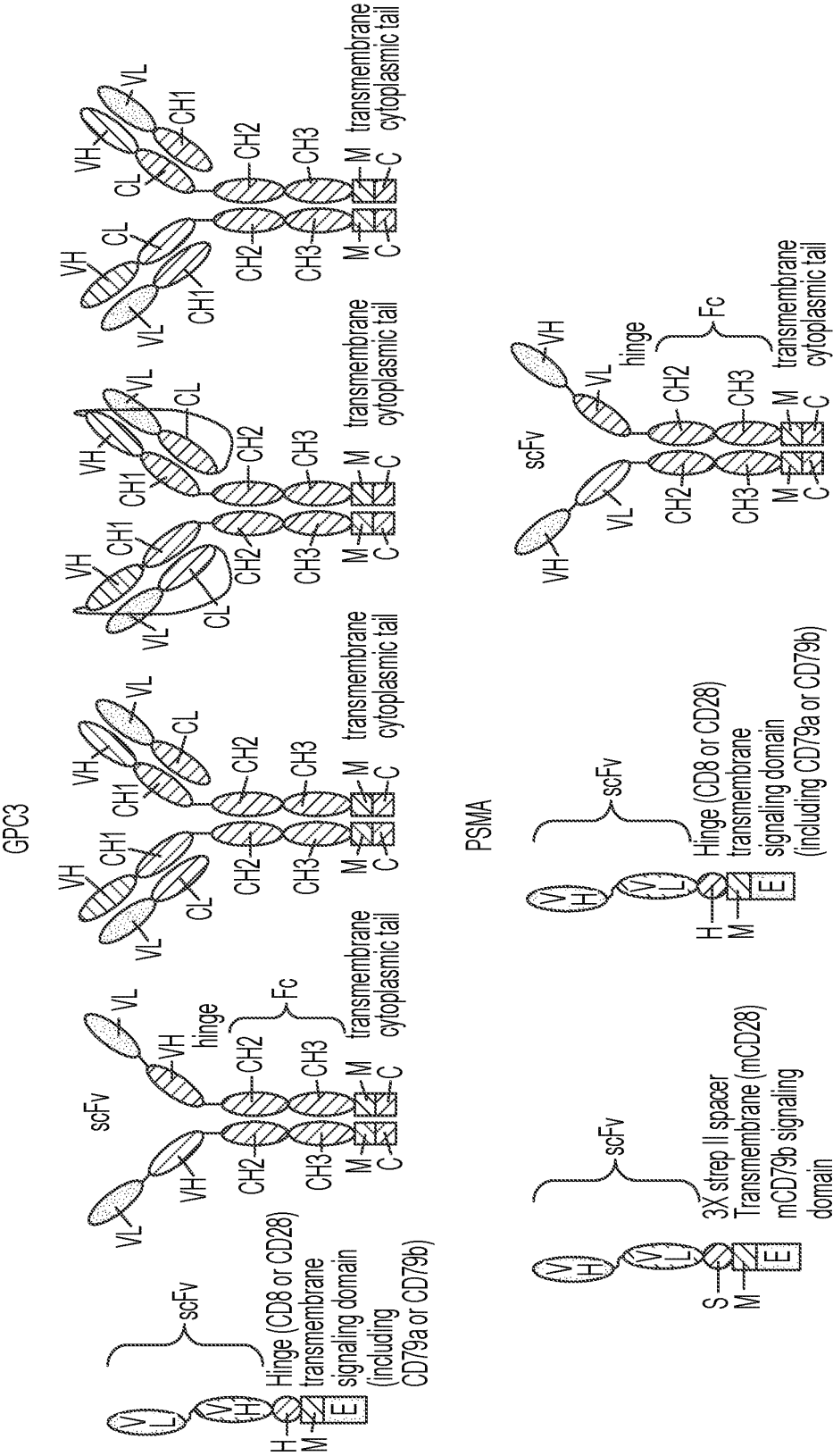


FIG. 4

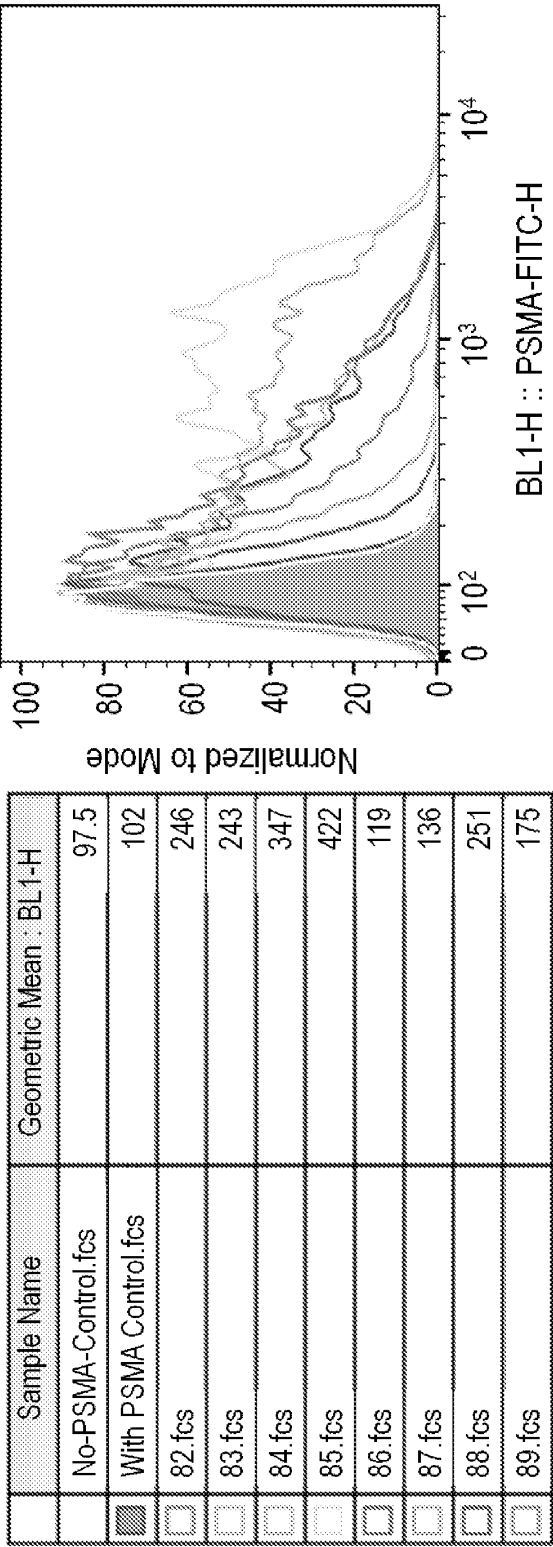
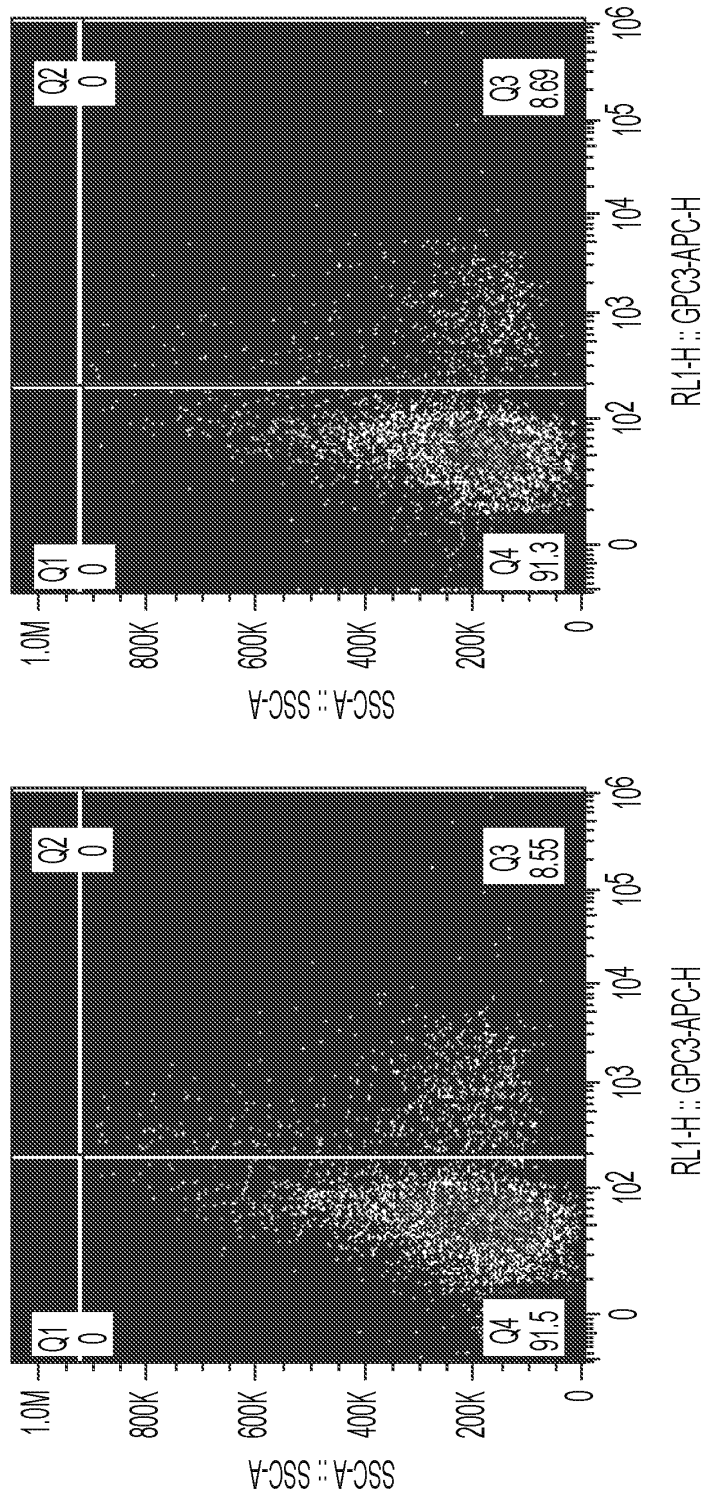


FIG. 5



8-wft-396-gp3-hcd8-cd28TM-cd79a.fcs
CD19-Brilliant Violet 421-H, FSC-H subset 8469

9-wft397-antigp3-hcd8-cd28tm-cd79b.fcs
CD19-Brilliant Violet 421-H, FSC-H subset 6594

FIG. 6A

FIG. 6B

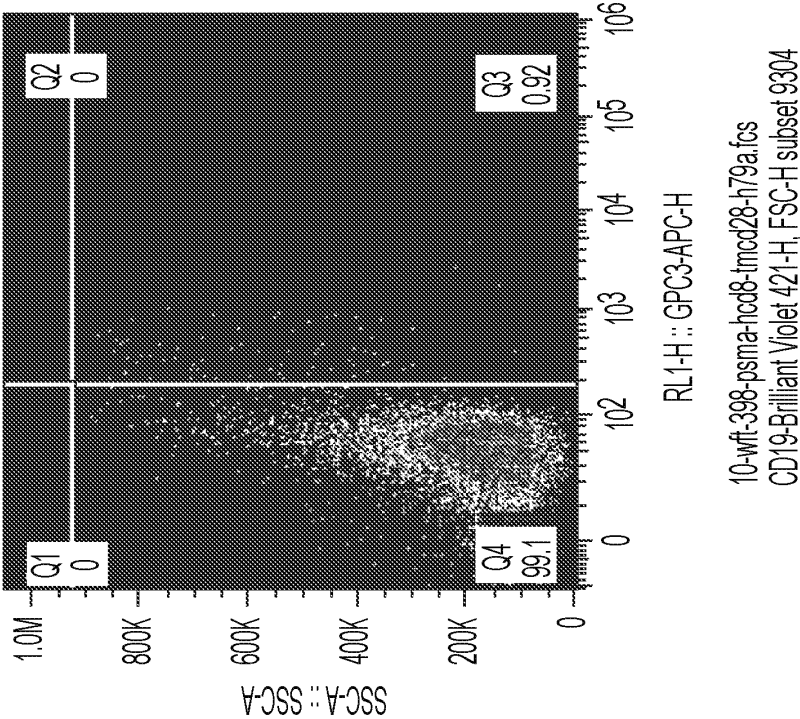
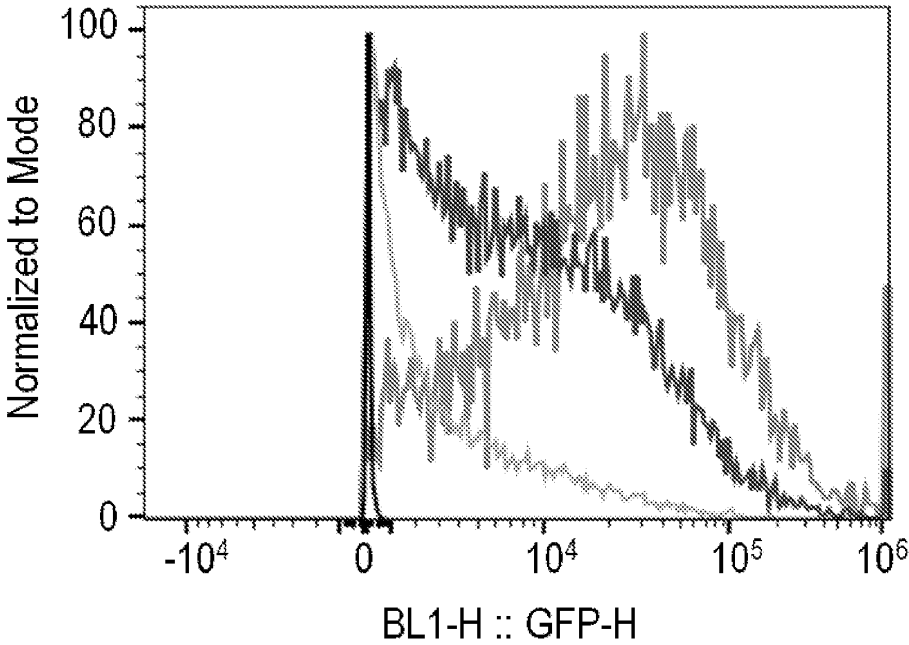


FIG. 6C



	Sample Name	Geometric Mean : BL1-H	Count
	0.fcs	CD19-Brilliant Violet 421-H+	32219
	1.fcs	CD19-Brilliant Violet 421-H+	17033
	3.fcs	CD19-Brilliant Violet 421-H+	12890
	10.fcs	CD19-Brilliant Violet 421-H+	4820

FIG. 7

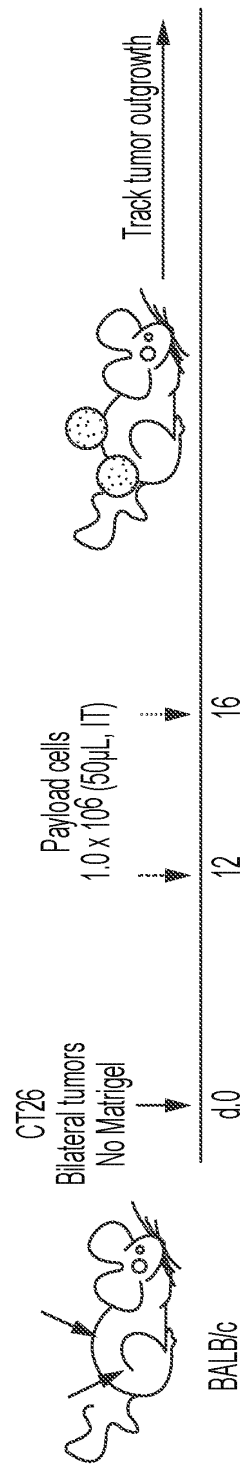
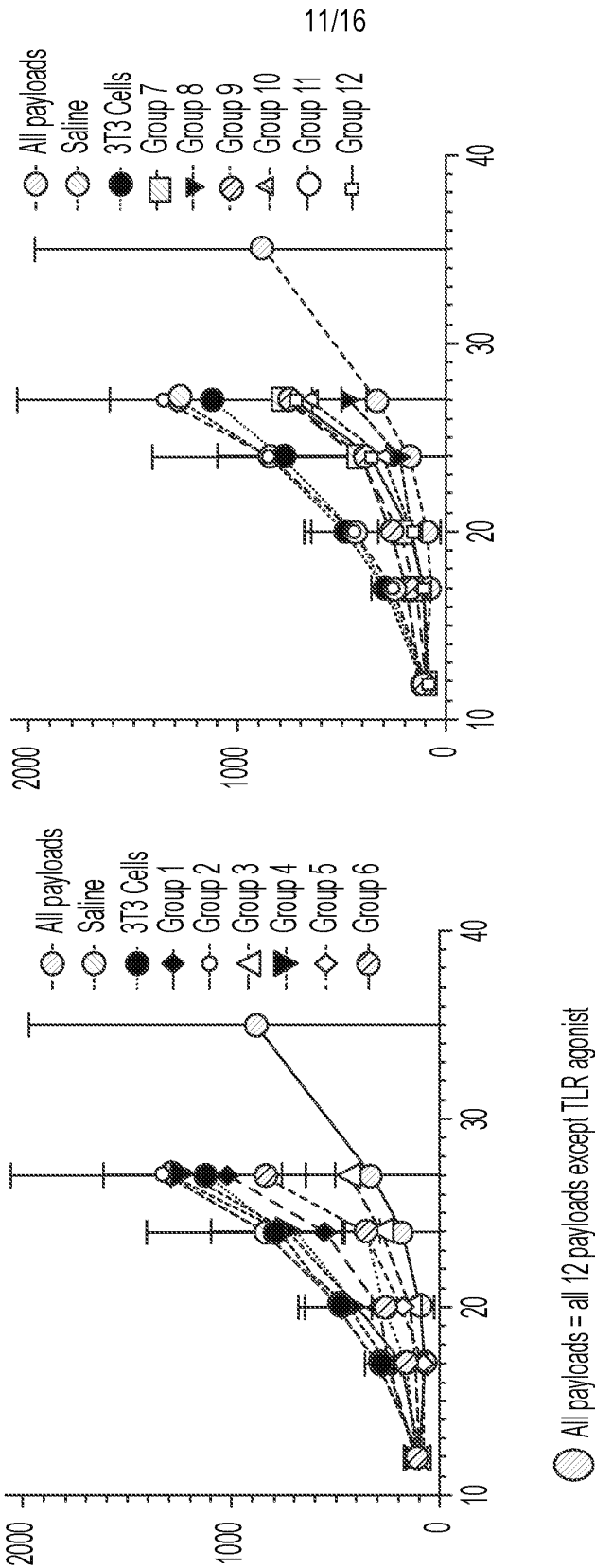


FIG. 8

LIGHT - mean of 5 mice

	1	2	3	4	5	6	7	8	9	10	11	12
FLT3L	FLT3L	FLT3L	FLT3L	FLT3L	FLT3L	FLT3L	FLT3L	FLT3L	FLT3L	FLT3L	FLT3L	FLT3L
XCL1	XCL1	XCL1	XCL1	XCL1	XCL1	XCL1	XCL1	XCL1	XCL1	XCL1	XCL1	XCL1
CXCL13	CXCL13	CXCL13	CXCL13	CXCL13	CXCL13	CXCL13	mLIGHT	mLIGHT	mLIGHT	mLIGHT	mLIGHT	mLIGHT
TIM4-Fc	CD80-MB	CD40L-MB	IL-12 and TM	4-1BBL-MB	m IFNA2		TIM4-Fc	CD80-MB	CD40L-MB	IL-12 and TM	4-1BBL-MB	m IFNA2
TLR	TLR	TLR	TLR						TLR			

FIG. 9



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FIG. 9 CONT.

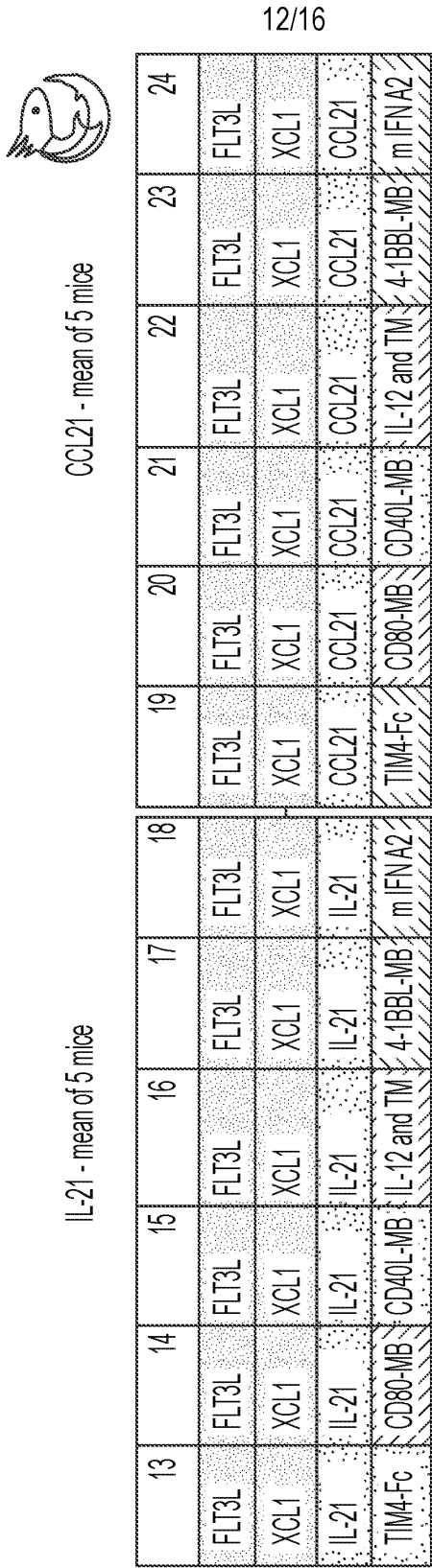
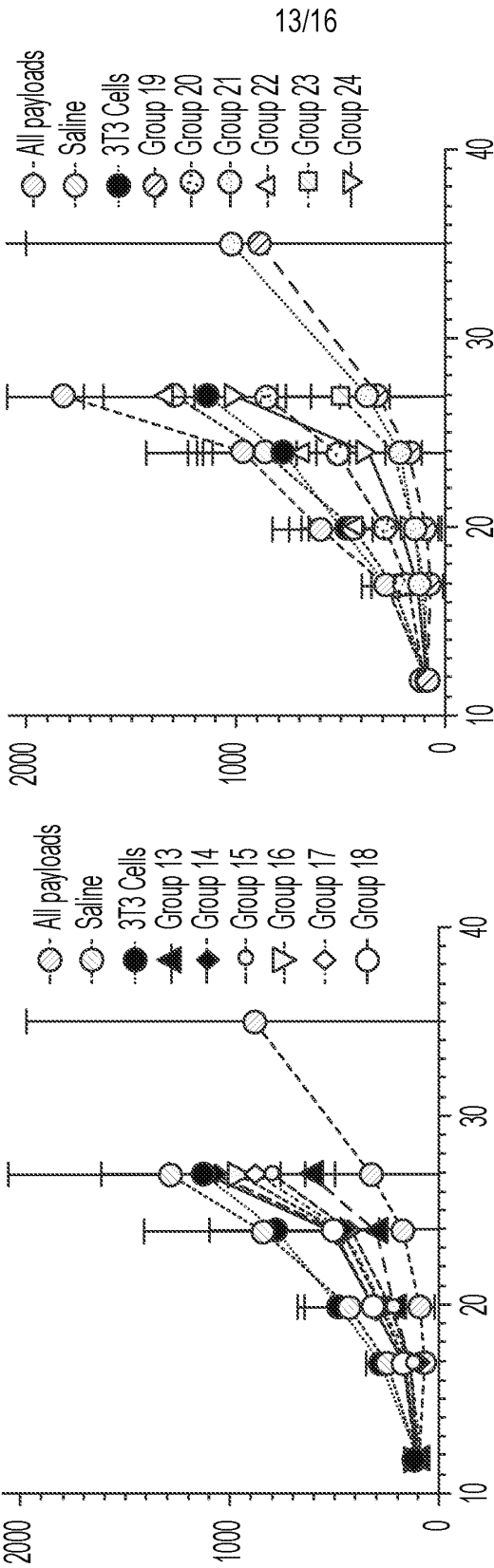


FIG. 10



○ All payloads except TLR agonist

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FIG. 10 CONT.

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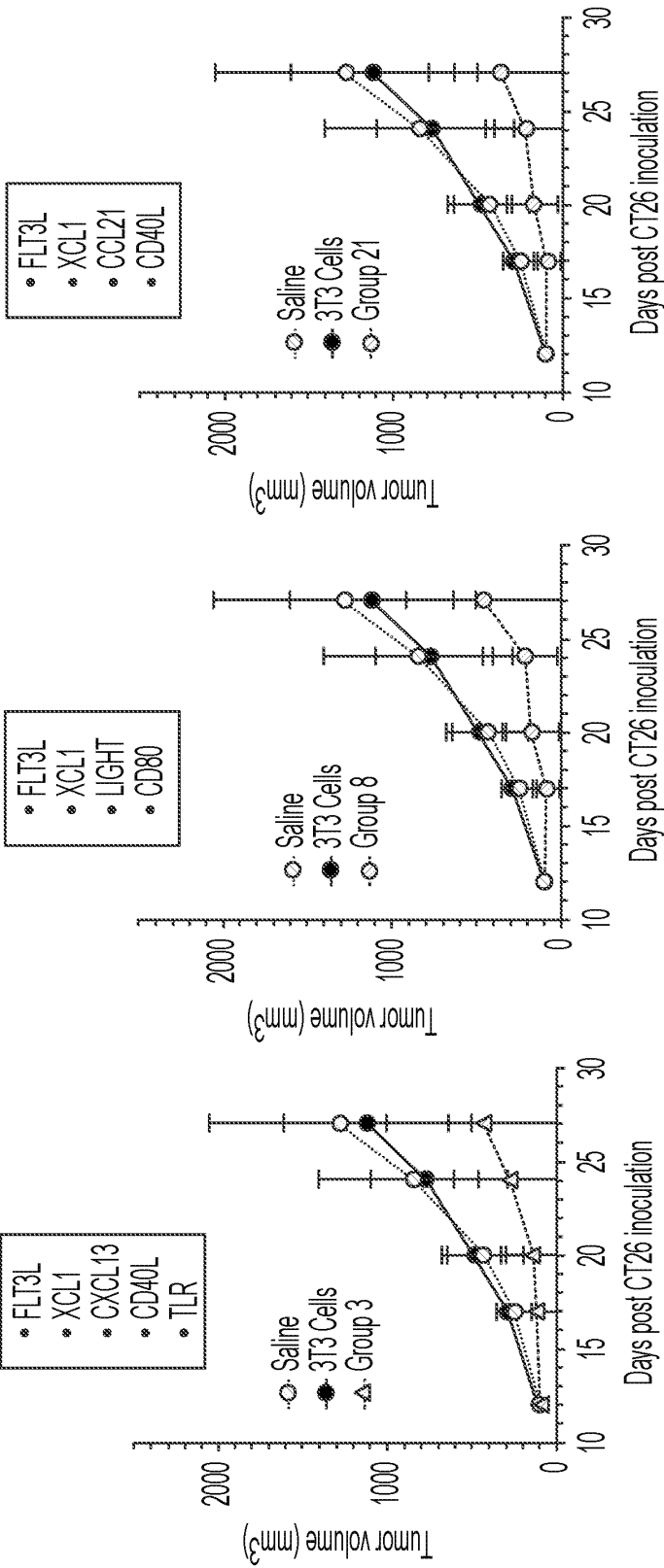


FIG. 11C

FIG. 11B

FIG. 11A

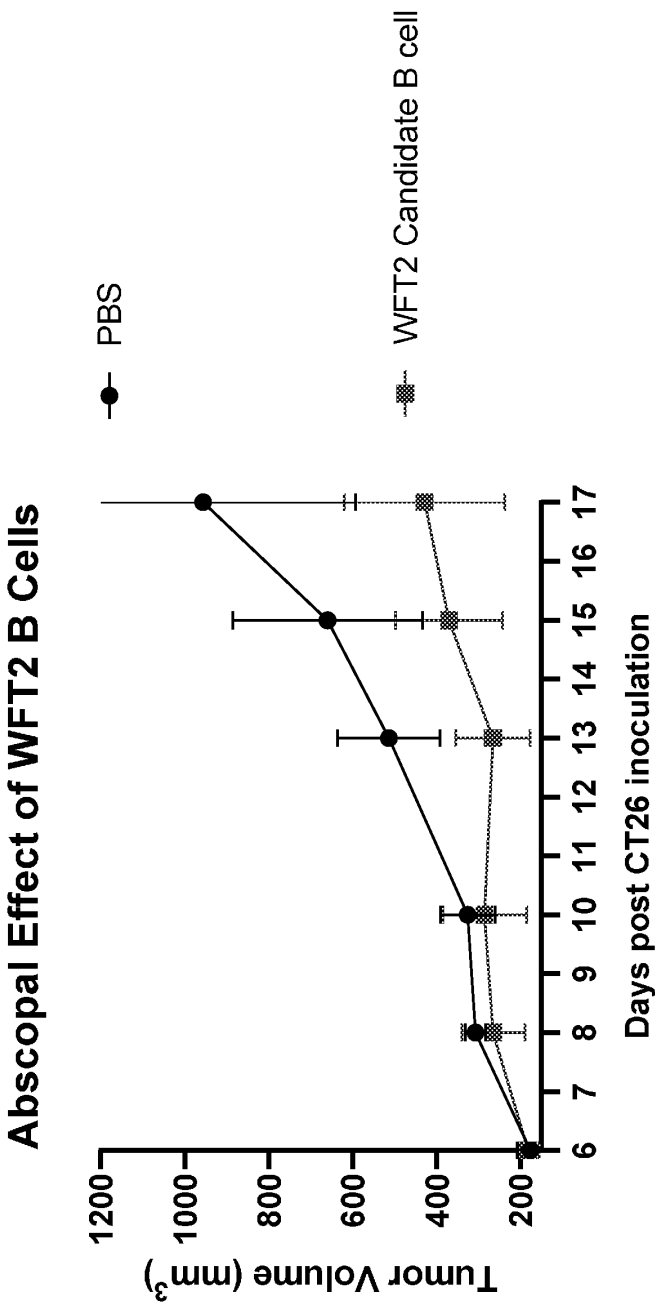


FIG. 12

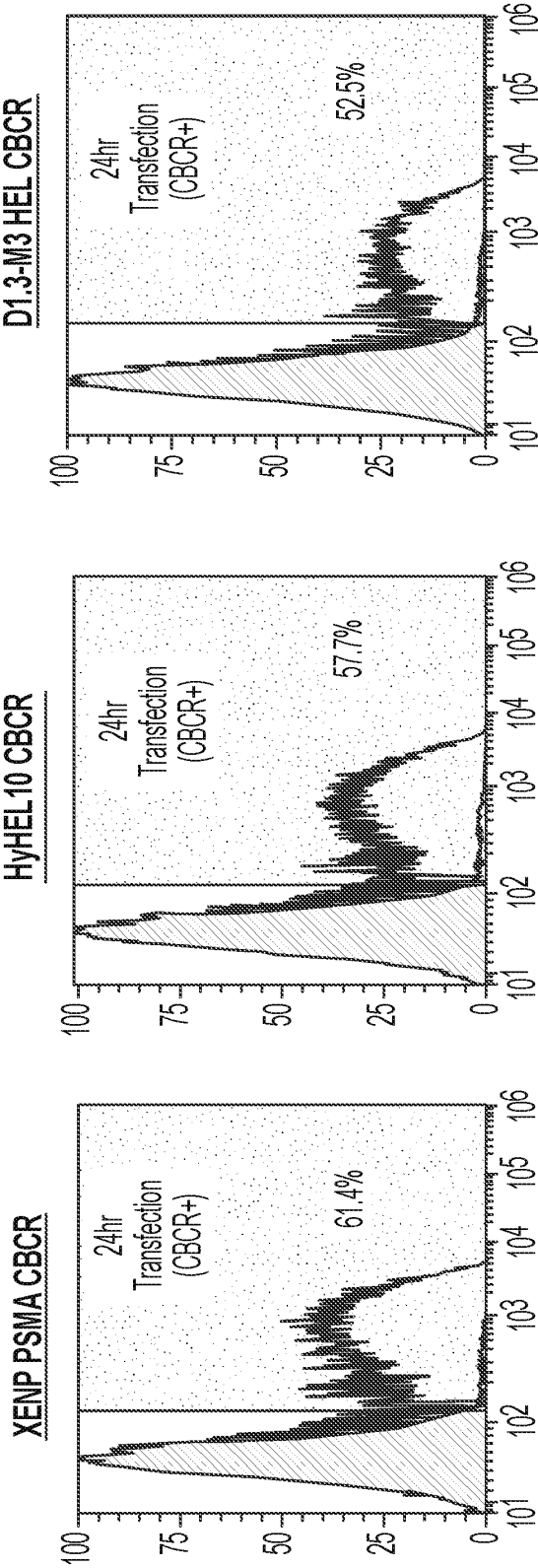


FIG. 13A

FIG. 13B

FIG. 13C