

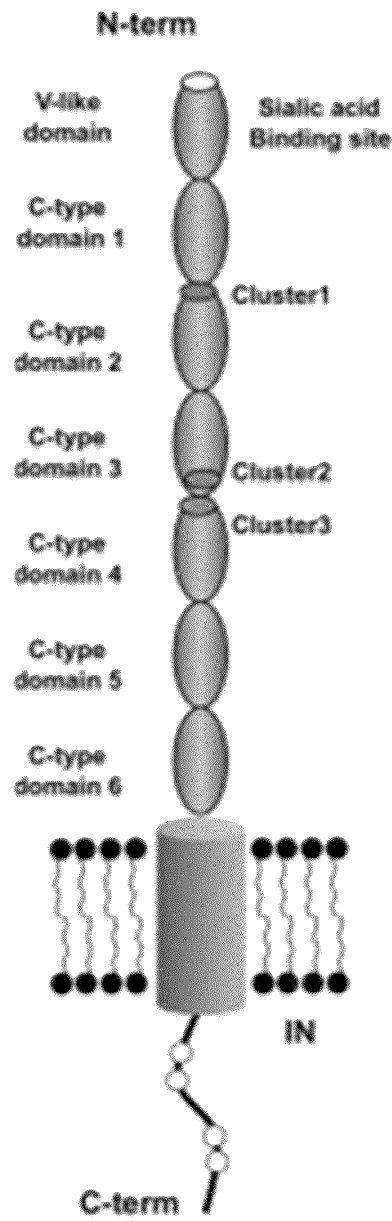


Figure 1

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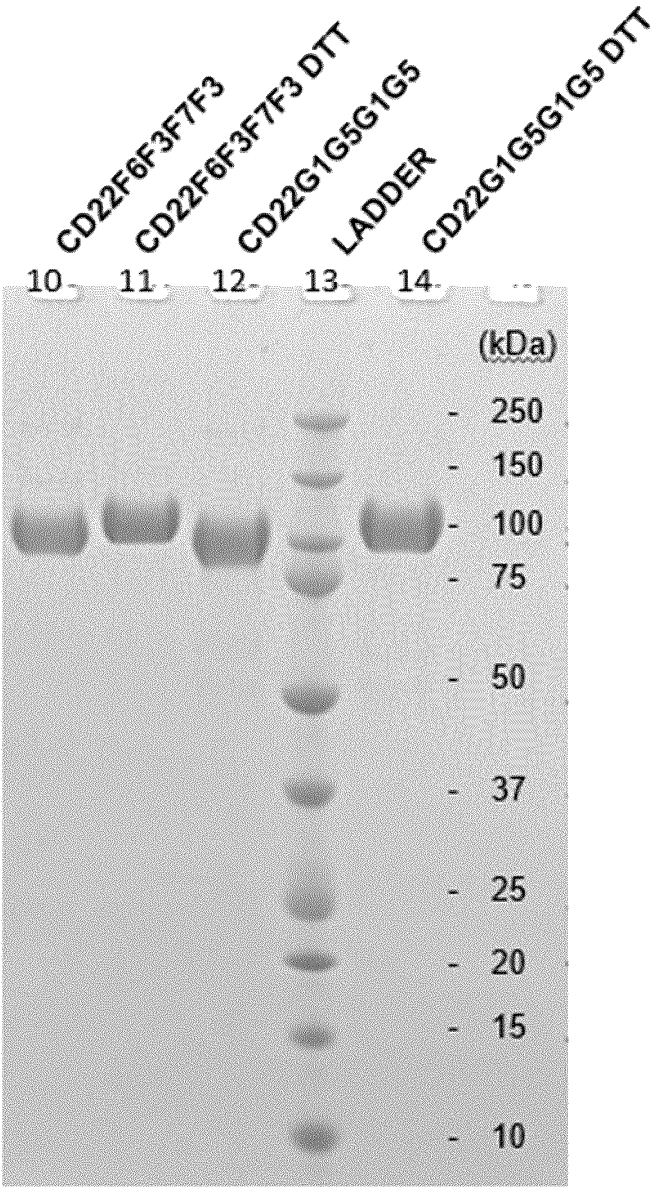


Figure 2

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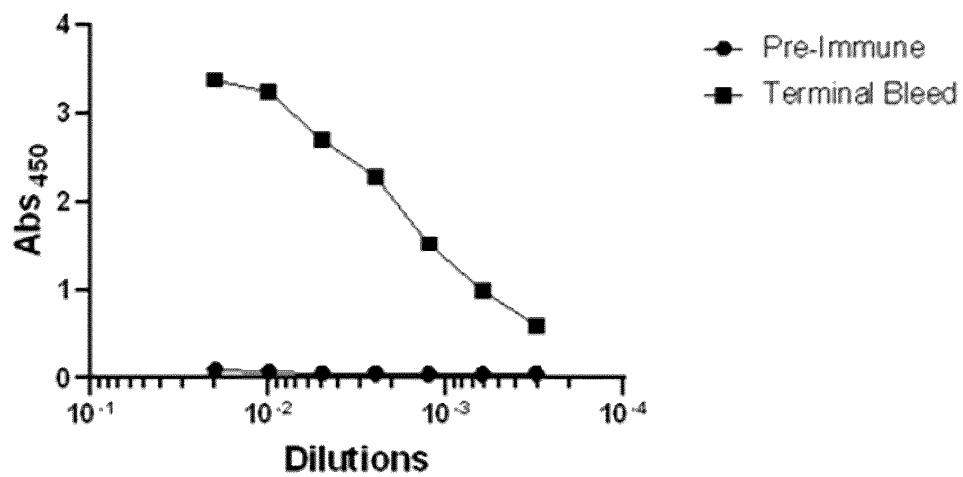


Figure 3

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	FR1	CDR1	FR2
	1 2	3	4 5
	12345678901234567890123456	789012345678	90123456789012345
hCD221ug-80	QVQLVESGG-GLVQPGGSLRLSCTFS	<u>GFTL----</u> DYYV	MVWFRQAPGKEREAVSC
hCD22100ng-2	QVKLEESGG-GLVQPGGSLRLSCTVS	<u>GVTF----</u> DYYV	MGWFRQAPGKEREVWSC
hCD221ug-74	QVKLEESGG-GLVQAGGSLRLSCAGS	<u>GFTF----</u> DDYA	MGWFRQAPGKEREVWSC
hCD22100ng-66	QVQLVESGG-GLVQPGGSLRLSCTVS	<u>GFSL----</u> DYYV	MGWFRQAPGKEREVWSC
hCD221ug-6	QVQLVESGG-GVVRPGDSLRLSCTVS	<u>GFTL----</u> DYYV	MGWFRQAPGKEREVWSC
hCD22pas-10	QVQLVESGG-GLVQPGDSLRLSCTVS	<u>GFTS----</u> DYYA	MGWFRQAPGKEREAVSC
hCD22pas-33	QVKLEESGG-GLVQPGGSLRLSCTVS	<u>GFTL----</u> DSYV	MGWFRQAPGKEREAVSC
hCD221ug-77	QVKLEESGG-GLVQPGGSLRLSCADS	<u>GSIF----</u> RIAV	MNWFQAPGKEREVLAV
hCD221ug-87	QVQLVESGG-GLVQPGGSLRLSCADS	<u>GSIF----</u> RIAV	MNWFQAPGKEREVLAV
hCD221ug-75	QVKLEESGG-GLVQPGGSLRLSCAGS	<u>GSIF----</u> RIAV	MNWFQAPGKEREVLAV
hCD221ug-93	QVKLEESGG-GLVQAGGSLRLSCAAS	<u>GSTF----</u> SSSV	MNWFQAPGKEREVLAV
hCD22pas-82	QVQLVESGG-GLVQPGGSLRLSCAAS	<u>GSIF----</u> RITV	MNWHQAPGKERELSGV
hCD22pas-23	QVQLVESGG-GLVQPGGSLRLSCAAS	<u>GSIFR---</u> ITAV	MNWFQAPGKEREVLAV
hCD22pas-32	QVQLVESGG-GLVQAGGSLRLSCAVS	<u>GRIF----</u> RSYV	LGWFRQAPGKERELVAR
hCD221ug-14	QVKLEESGG-GLVQAGGSLRLSCAVS	<u>GRIF----</u> RSYV	LGWFRQAPGKERELVAR
hCD22pas-55	QVKLEESGG-GLGQAGGSLRLSCAVS	<u>GRIS----</u> RSYV	LGWFRQAPGKERELVAR
hCD22pas-79	QVKLEESGG-GLVQPGGSLRLSCTVS	<u>GRTS----</u> SVYG	MAWFRQTPGKEREFVAA
hCD22pas-72	QVQLVESGG-GLVQAGGSLRLSCAAS	<u>GGTF----</u> SVYT	MAWFRQAPGKEREFVAA
hCD22pas-16	QVQLVESGG-GLVQAGGSLRLSCAAS	<u>GSTF----</u> SLKA	MAWYRQAPGQORERVGV
hCD221ug-10	QVQLVESGG-GLVQAGGSLSVSCTAS	<u>ESTF-----</u> SIM	MGWFRQAPGQOREMVAV
hCD221ug-13	QVQLVESGG-GLVQAGDSLRLSCAGS	<u>GGSF----</u> SSVT	MAWFRQAPGKDREFVAA
hCD221ug-36	EVQLVDSGG-GLVQAGGSLRVSCAAS	<u>GITF----</u> SRAA	MGWYRQRPGRERERVAV
hCD221ug-61	QVQLVESGG-GLVQAGGSLRLSCAAS	<u>MSSF----</u> SQYV	MYWYRQAPGQORELVAT
hCD22100ng-62	QVKLEESGG-GLVQAGGSLRLSCAAS	<u>GSIS----</u> SINA	MGWYRQVPGQORELVAI
hCD22pas-24	QVQLVESGG-GLVQAGGSLRLSCAS	<u>GITS----</u> SINS	MGWHRQAPGQORELVAS
hCD22pas-48	QVKLEESGG-GLGQAGGAVRLSCADS	<u>GSIF----</u> RIAV	MNWFQAPGKEREVLAV
hCD22pas-64	QVQLVESGG-GLVQAGGSLRLSCAAS	<u>GSTF----</u> SLNT	MAWYRQAPGNQREYVAA

Figure 4A

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CDR2						FR3						CDR3						FR4					
6						7						11						12					
6789012345						6789012345678901234567890123456789012345678901234						5678901abcdcba234567						89012345678					
<u>ITSD---GVT</u>						YYADSVK-GRFTISRDNAKNTVYLQMNVRKPEDTAVYYC						<u>AVDKPFYDGGIQTCPVDFDS</u>						WGQGAQVTVSS					
<u>MRNS---DGV</u>						YYADSVK-GRFTISRDNAKNTVYLQMNSLKPDPTAIYYC						<u>AVDKPFYDGGNYTCTCPVDFDS</u>						WGQGTQVTVSS					
<u>MGSS---DGAT</u>						YYADSVK-GRFTISRDNAKNTVYLQMNSLKPEDTAIYYC						<u>AVDKPFYDGGYRYTCTCPVDFGS</u>						WGQGTQVTVSS					
<u>ISSS---DGAT</u>						YYPDSVK-GRFTISRDNAKNTVYLQMNALKPEDTAIYYC						<u>AVDKPFYDGGSYTCTCPVDFGS</u>						WGQGTQVTVSS					
<u>ISSS---DGV</u>						YYADSVK-GRFTISRDNAKNTVYLQMNSLKPEDTAIYYC						<u>AVDKPFYDGGYTYTCTCPVDFDS</u>						WGQGTQVTVSS					
<u>ISSS---DGV</u>						YYADSVR-GRFTISRDNAKNTVYLEMNSLKPEDTAIYYC						<u>AVDKPFYDGGYLYTCTCPVDFDS</u>						WGQGTQVTVSS					
<u>ISSS---DGV</u>						YYADSVK-GRFTISRDNAKNT-YLQMNSLKPEDTAIYYC						<u>AVDKPFYDGGYLYTCTCPVDFDS</u>						WGQGIQVTVSS					
<u>ITSG---GET</u>						HYAASVK-GRFTISRDNAKNTMYLQMNSLKPEDTAVYYC						<u>NAKWG----QY</u>						WGQGTQVTVSS					
<u>ITSG---GET</u>						HYAASVK-GRFTISRDNAKNTMYLQMNSLKPEDTAVYYC						<u>NAKWG----RDEY</u>						WGQGTQVTVSS					
<u>ITSG---GDT</u>						HYAASVK-GRFTISRDNAKNTMYLQINSLKPEDTAVYYC						<u>NAKYG----RDEY</u>						WGQGAQVTVSS					
<u>ITSS---GST</u>						HYADSVK-GRFTISRDNAKNTVNLQMNSLKPEDTAVYYC						<u>NAQYG----RRSD</u>						WGQGTQVTVSS					
<u>ITSG---GDS</u>						HYAASVK-GRFTIYRDNTKNTMYLQMNRLKPEDTDYYC						<u>NAKWG----GDEY</u>						WGQGTQVTVSS					
<u>ITSA---GET</u>						HYAESVK-GRFTISRDNAKNTMYLQMNSLKPEDTAVYYC						<u>NAKWG----QYEH</u>						WGQGTQVTVSS					
<u>IGW----SDT</u>						YYADSVK-GRFTISRDNAKNTVDLQMNSLKPEDTAVYYC						<u>AANSPPYG----PQRDEF</u>						WGQGTQVTVSS					
<u>IGW----SDT</u>						YYADSVK-GRFTISRDNAKNTVDLQMNSLKPEDTAVYYC						<u>AANSPPYG----PQRDEFD</u>						WGQGTQVTVSS					
<u>IGC----SDT</u>						YYADSAK-GRFTISRNNADNTVDLQMNSLKPEDTAVYYC						<u>AEYSPPYG----PQRDEFD</u>						WGQGTQVTVSS					
<u>MSWS---GGPT</u>						YFADSVK-GRFGSSRDNAKNTVYLQMNGLRPEDTAVYYC						<u>AVRIRRTLLEPLTKETLYDY</u>						WGQGTQVTVSS					
<u>IRGS---GGT</u>						YYRDSVK-GRFTISRDNAKNTVYLQMNSLKPEDTAVYYC						<u>AVRIRRTLVEPLTKETLYDY</u>						WGQGTQVTVSS					
<u>INSD---GSYT</u>						TDAASVQ-GRFTISRDNAKNTVYLQMNSLKPEDTAVYYC						<u>NTMP-----PWF</u>						WGQGTQVTVSS					
<u>INSA---GST</u>						NYADSAE-GRFTISRDLAKKTVSLQMNSLKPEDTAVYYC						<u>YVD-----GY</u>						FGQGTQVTVSS					
<u>ITWS---SPST</u>						YYADSVK-GRFTISRDNAKNTVYLQMNSLKPEDTAVYYC						<u>AGGRTGRGTSADTDEYNY</u>						WGQGTQVTVSS					
<u>VNSD---SST</u>						IYADSVK-GRFTISRDNAKNTVYLQMNSLKPEDTAVYYC						<u>WSPG-----FGSY</u>						WGQGTQVTVSS					
<u>ITSY---SNT</u>						NYADSVK-GRFTISRDNAKSIAYLQMDSLKPEDTAVYYC						<u>NAQYGSTFIRNHWD</u>						WGQGTQVTVSS					
<u>ITTA---GNT</u>						RYGDSVK-GRFTISRDNARKTVYLQMNSLKPEDTAVYYC						<u>AGKLYV-NKEYTY</u>						WGQGTQVTVSS					
<u>IGRGG---SGST</u>						KYADSGK-GRFLISRDNKNILFLEMNSLKPEDTADYYC						<u>LEVTT---DLSSY</u>						WGRGTQVTVSS					
<u>ITIA---GET</u>						HYAYSVK-GQFTISRYNAKNTMYLQMNRLKPEDTAVYYC						<u>YANGG----RDEY</u>						WGRGTQVTVSS					
<u>ASSD---GYT</u>						NYADSVR-GRFTISRDNKNTMYLQMNSLKPEDTAVYYC						<u>TWGTGR-FADYIY</u>						WGQGTQVTVSS					

Figure 4B

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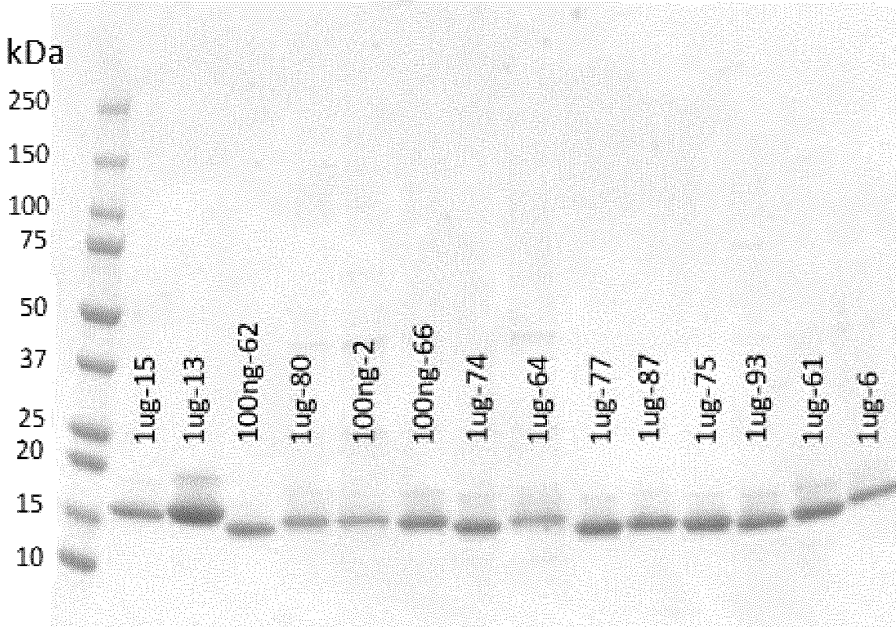


Figure 5

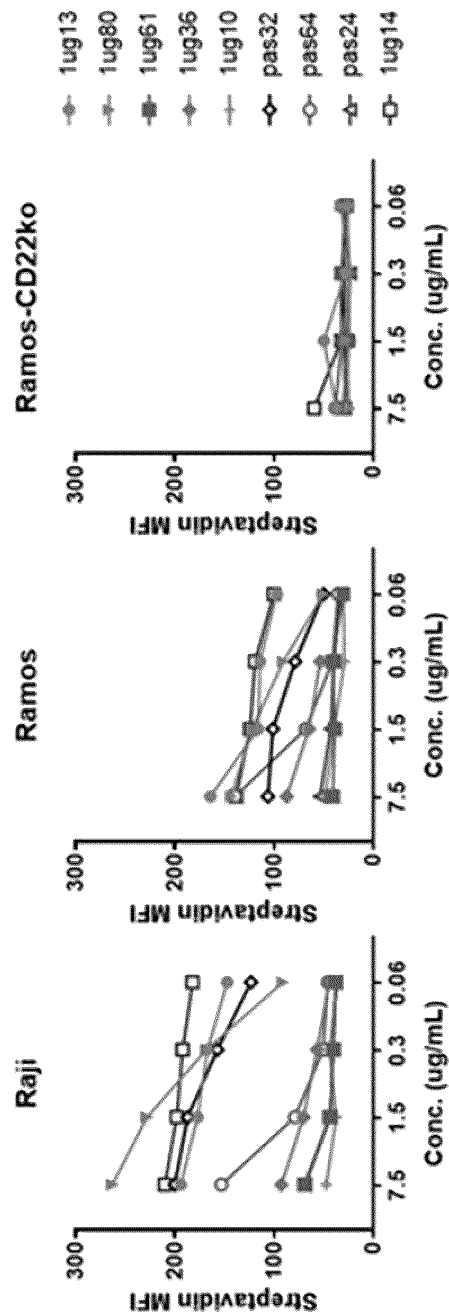


Figure 6

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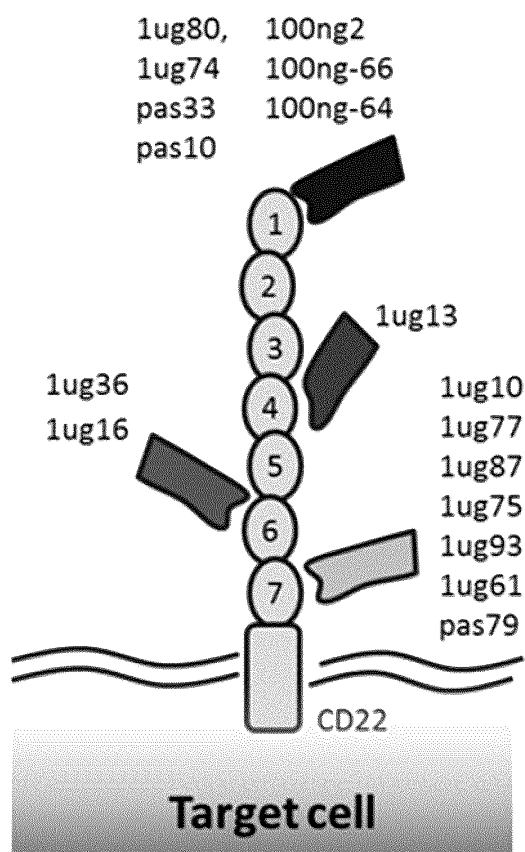


Figure 7

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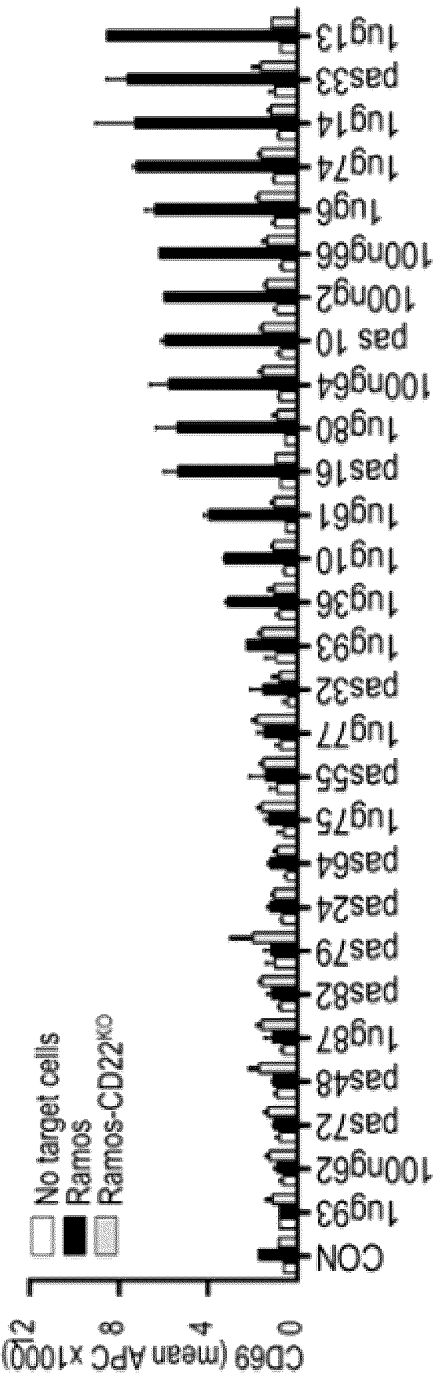


Figure 8

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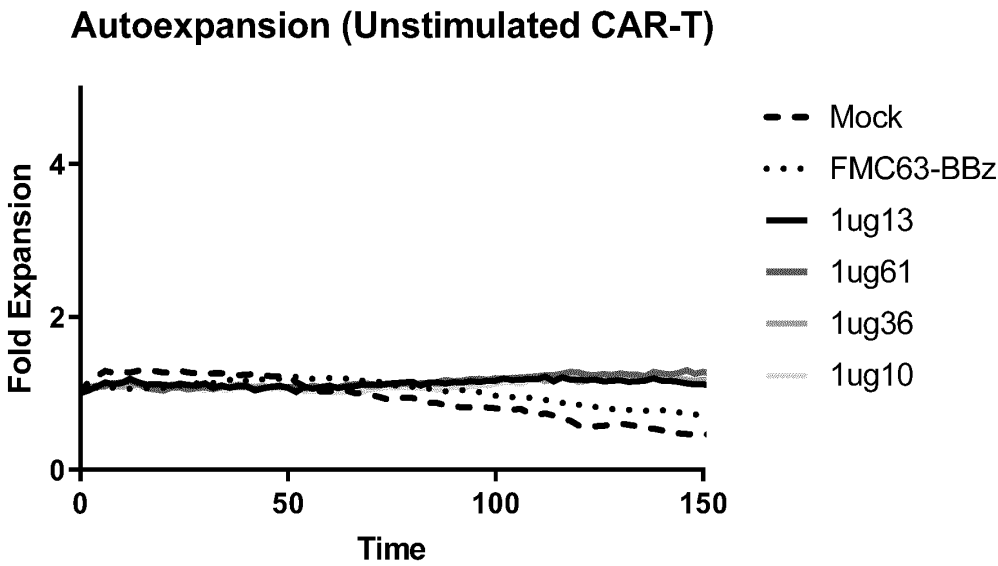


Figure 9

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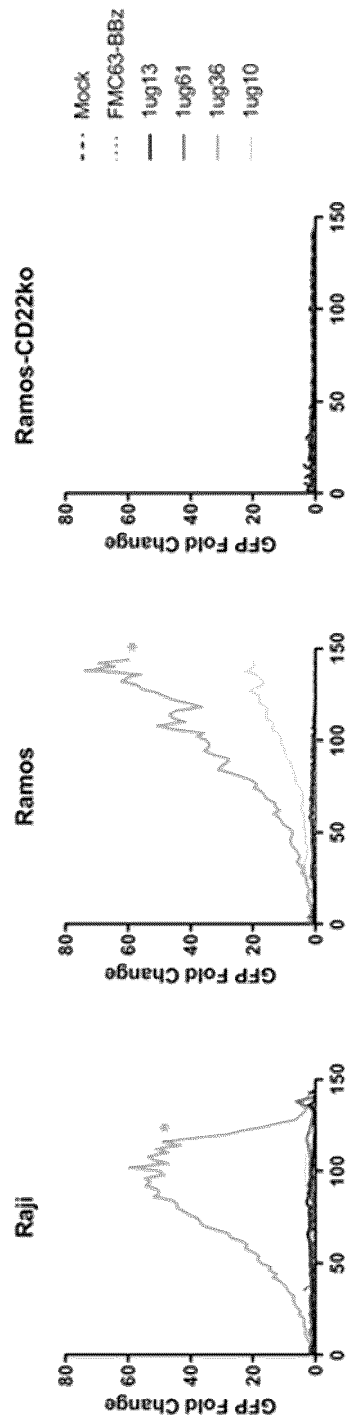


Figure 10

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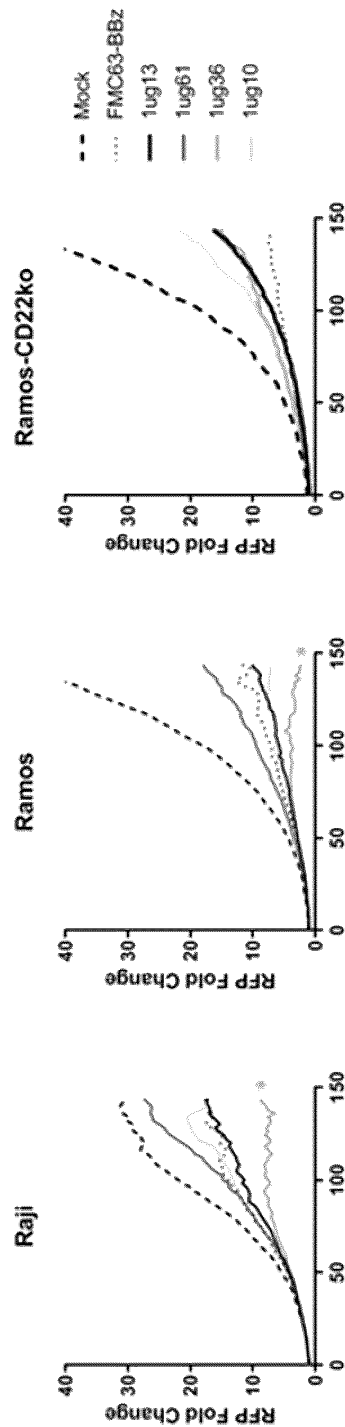


Figure 11

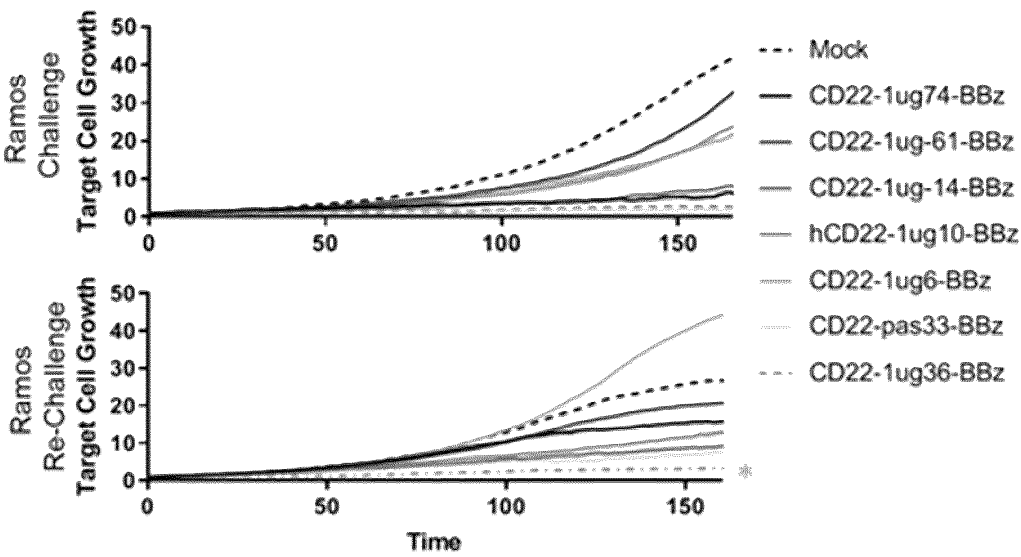


Figure 12

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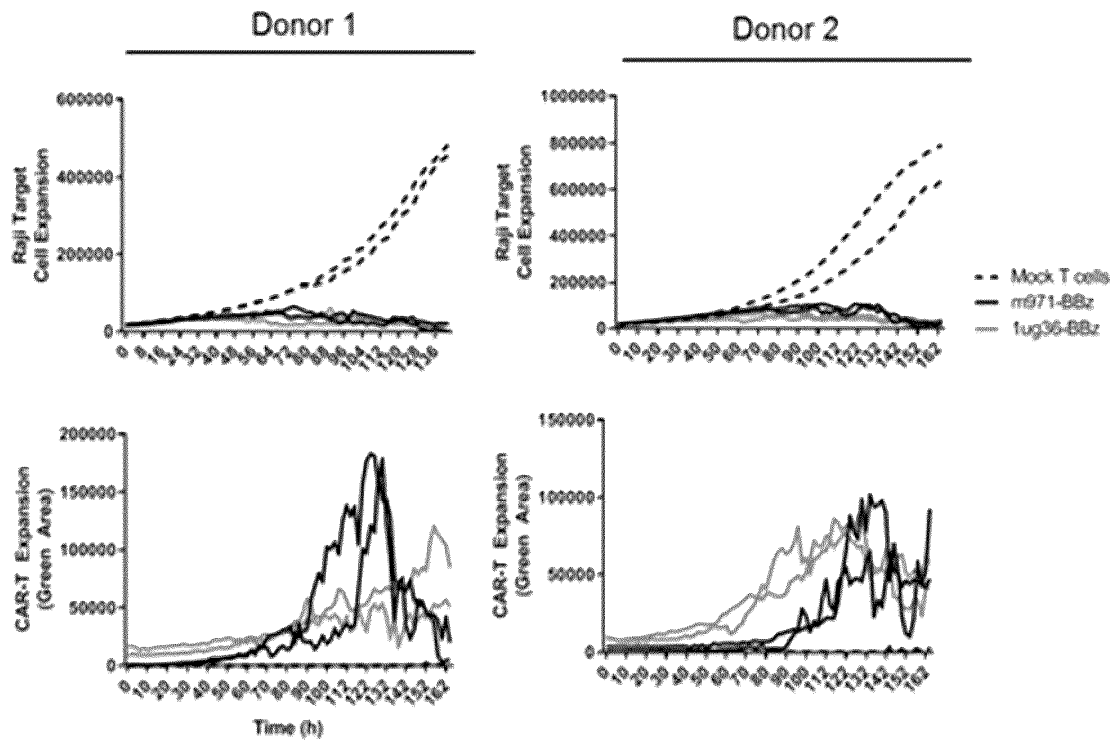


Figure 13

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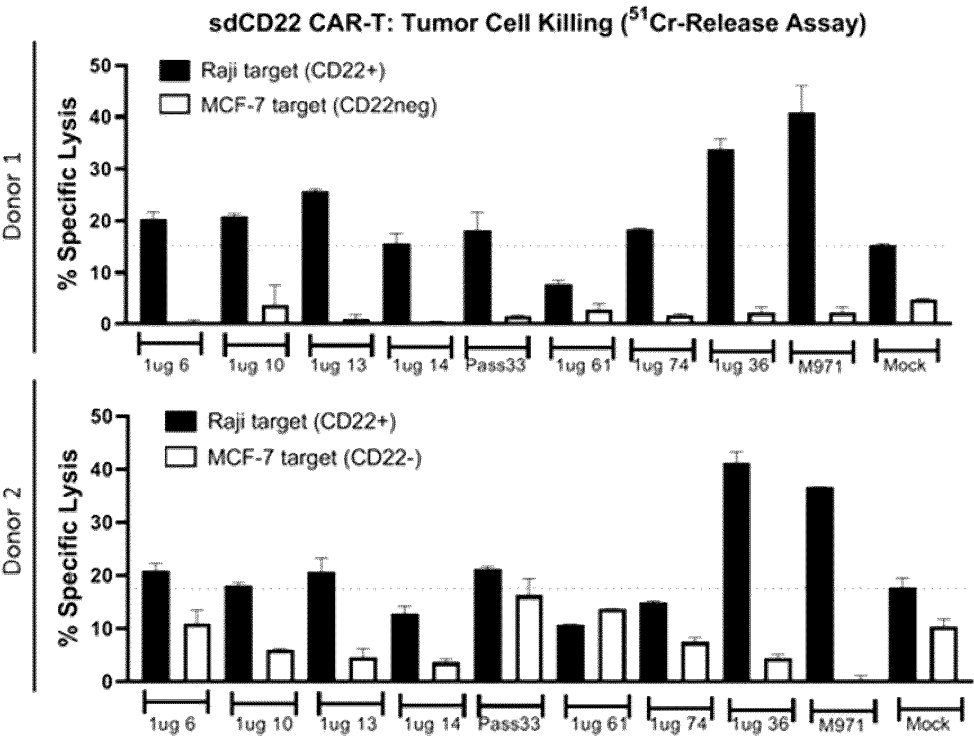


Figure 14

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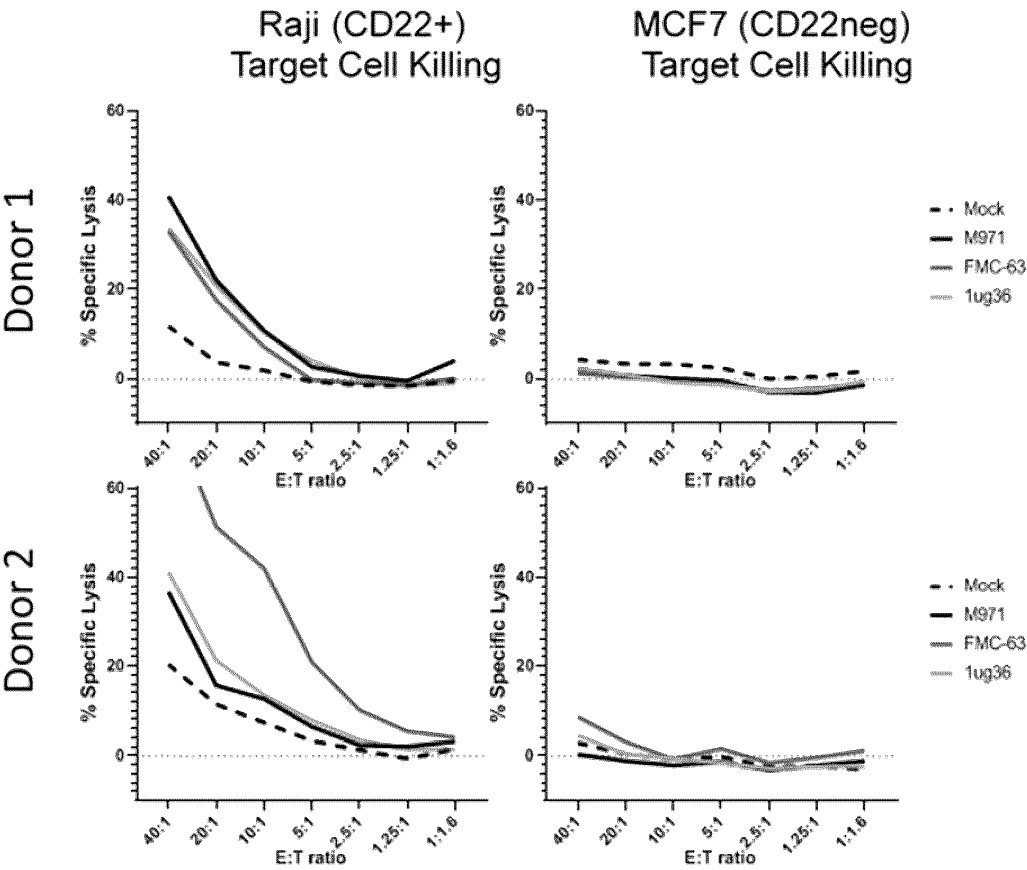


Figure 15

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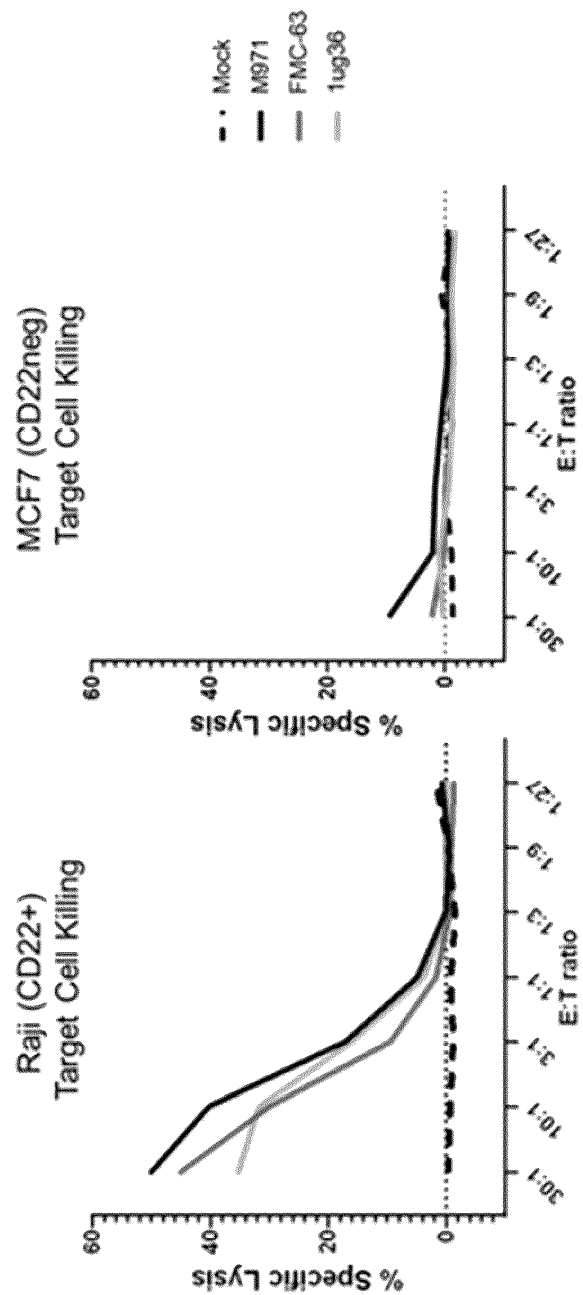


Figure 16

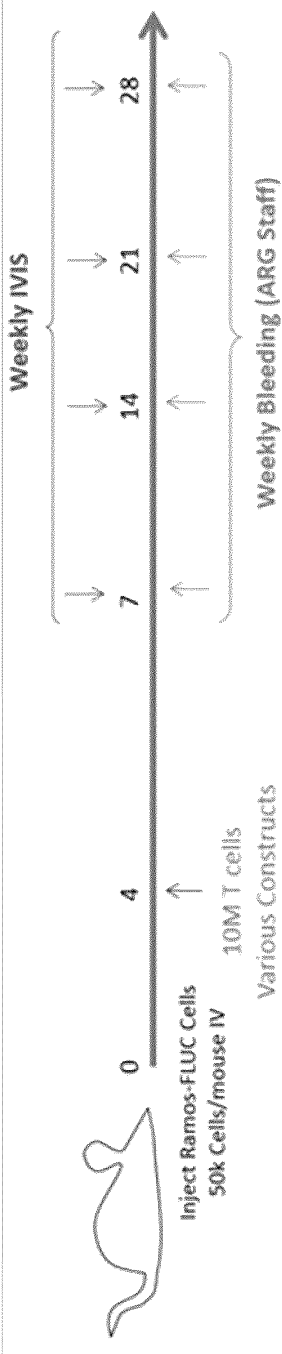


Figure 17

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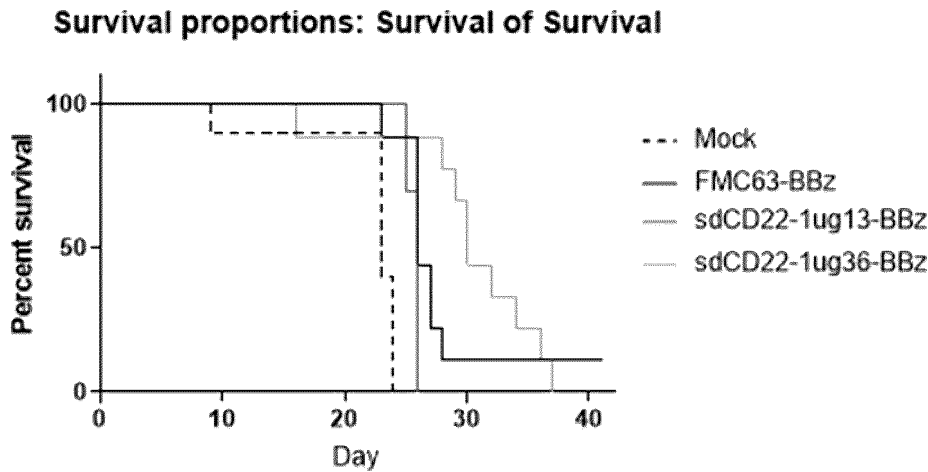


Figure 18

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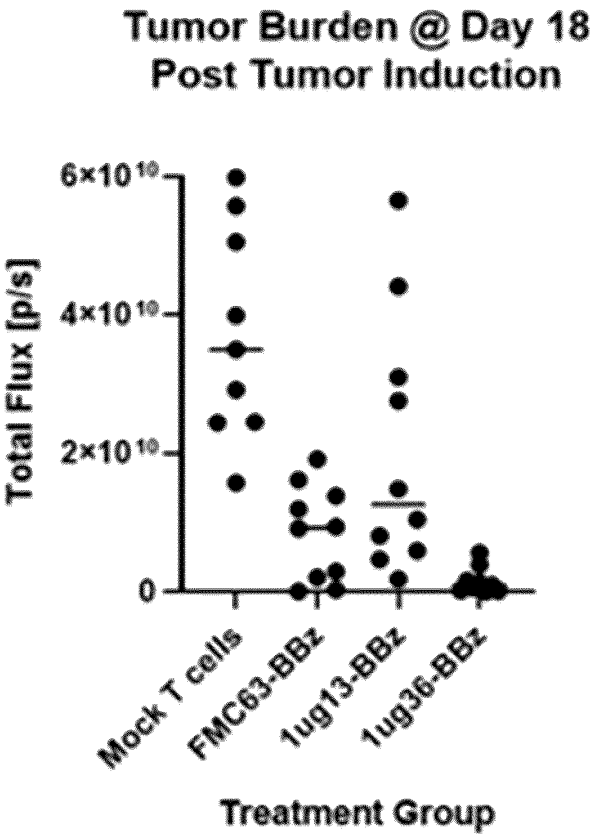


Figure 19

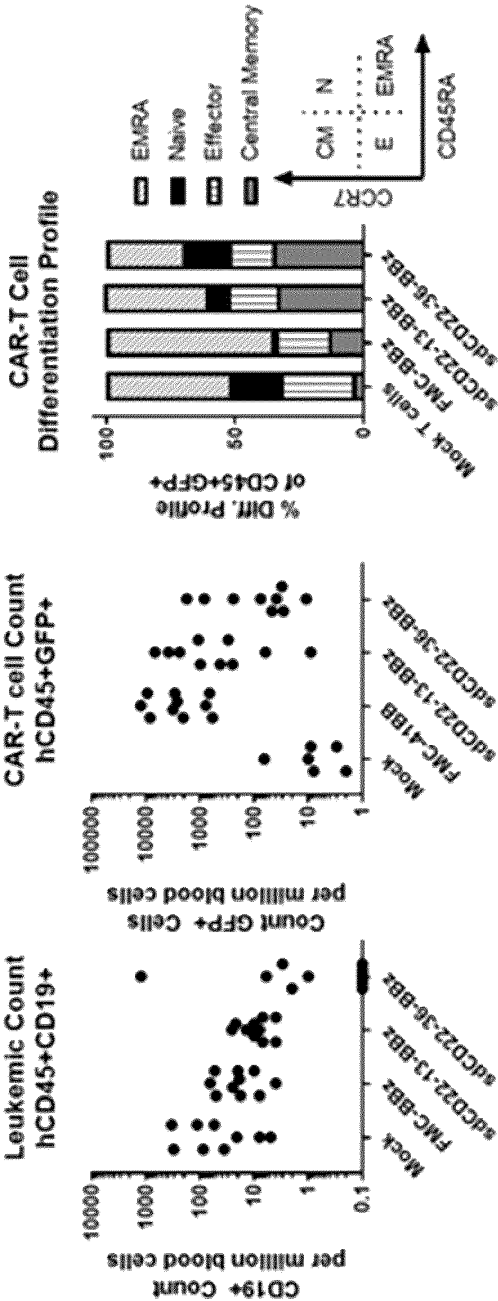


Figure 20

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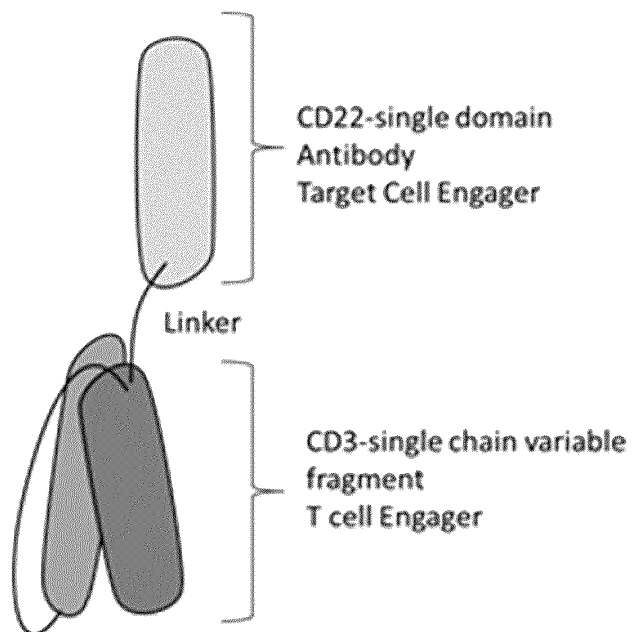


Figure 21

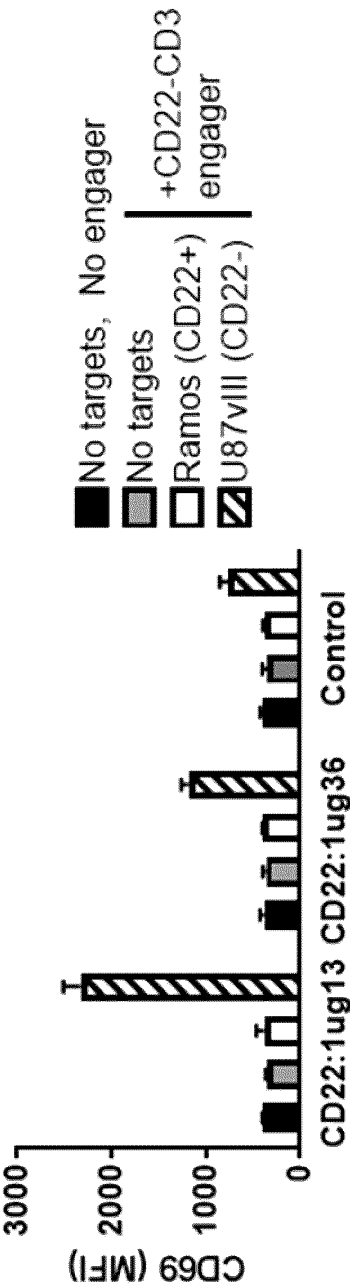


Figure 22

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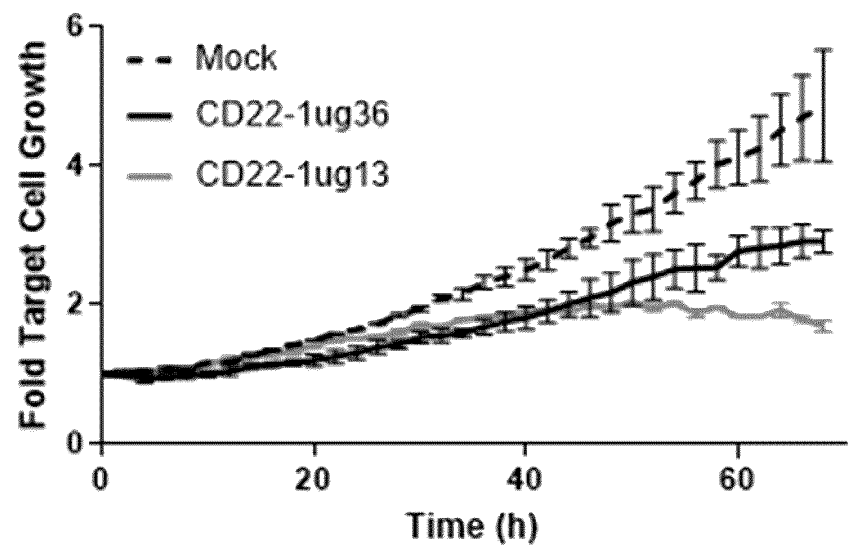


Figure 23

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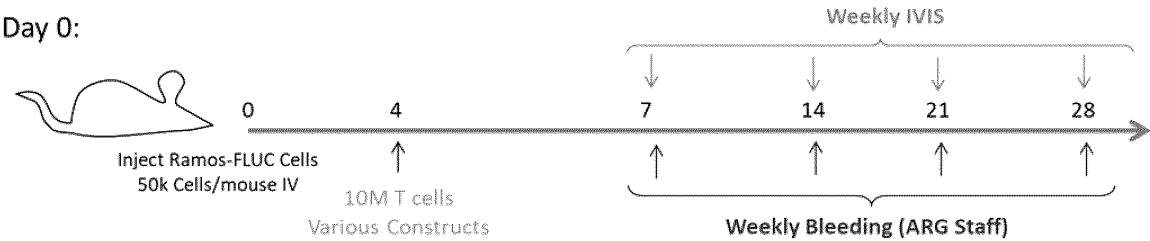


Figure 24

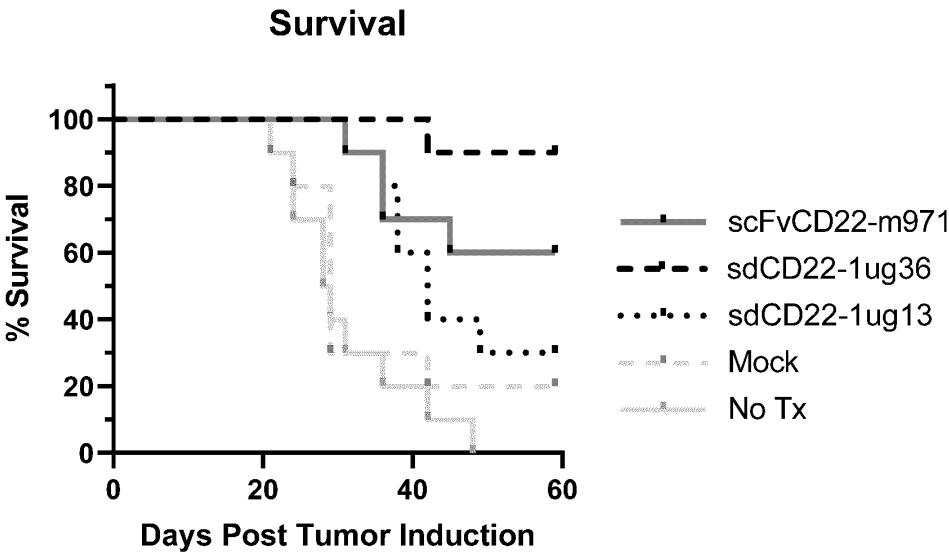


Figure 25

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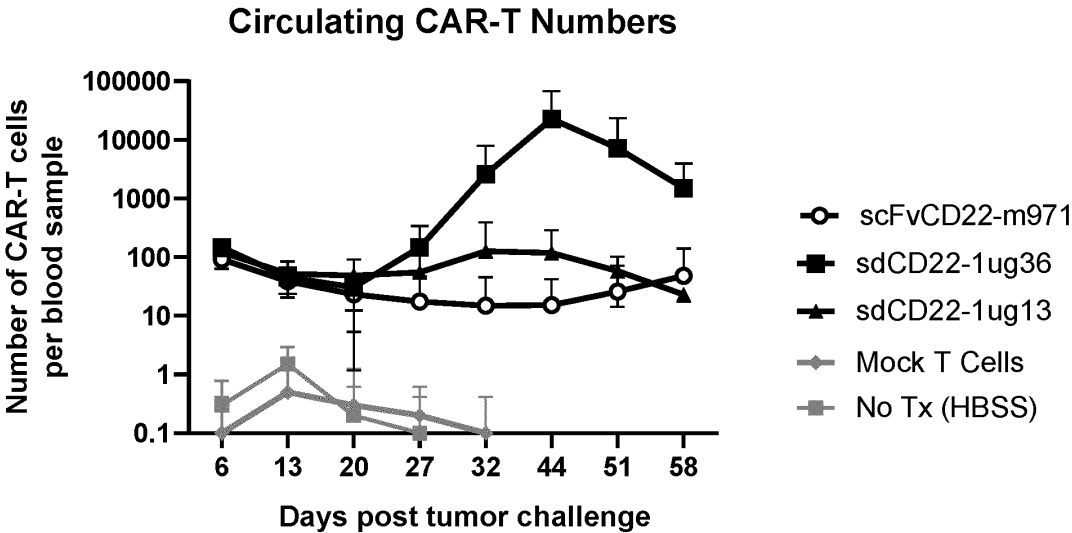


Figure 26

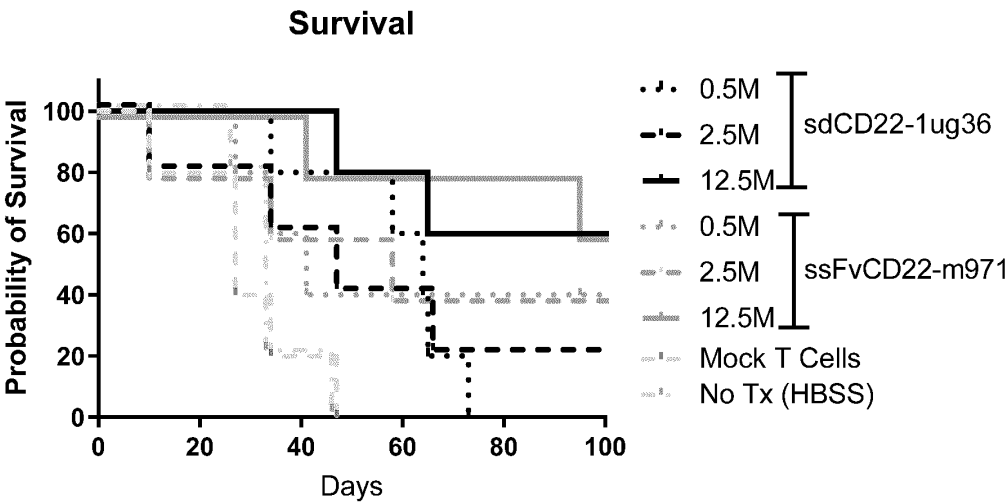


Figure 27

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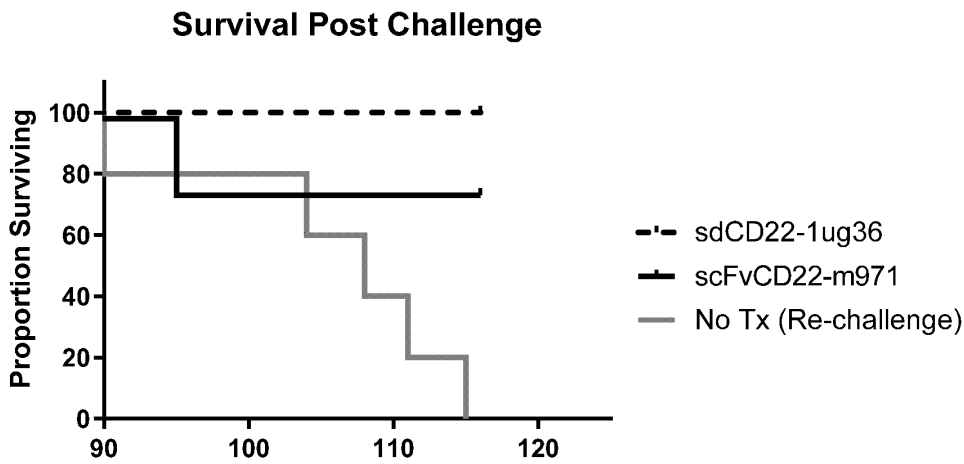


Figure 28

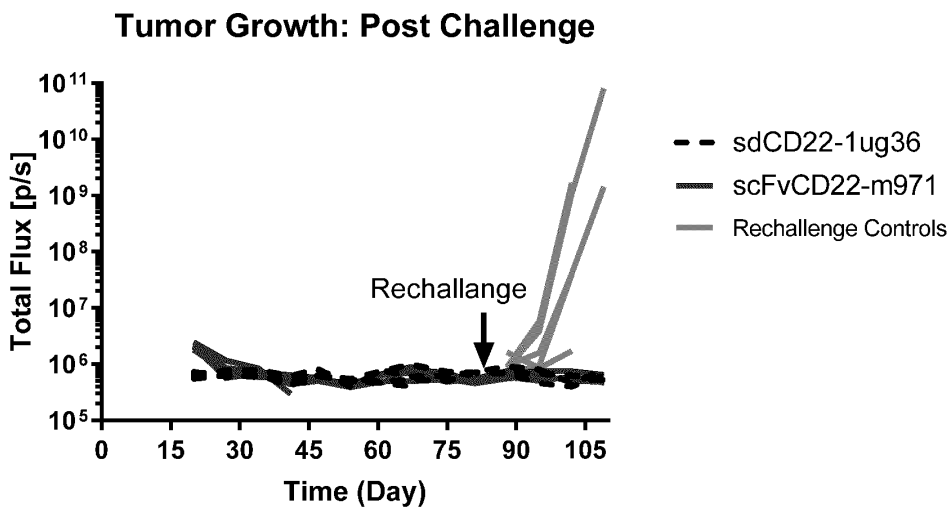


Figure 29

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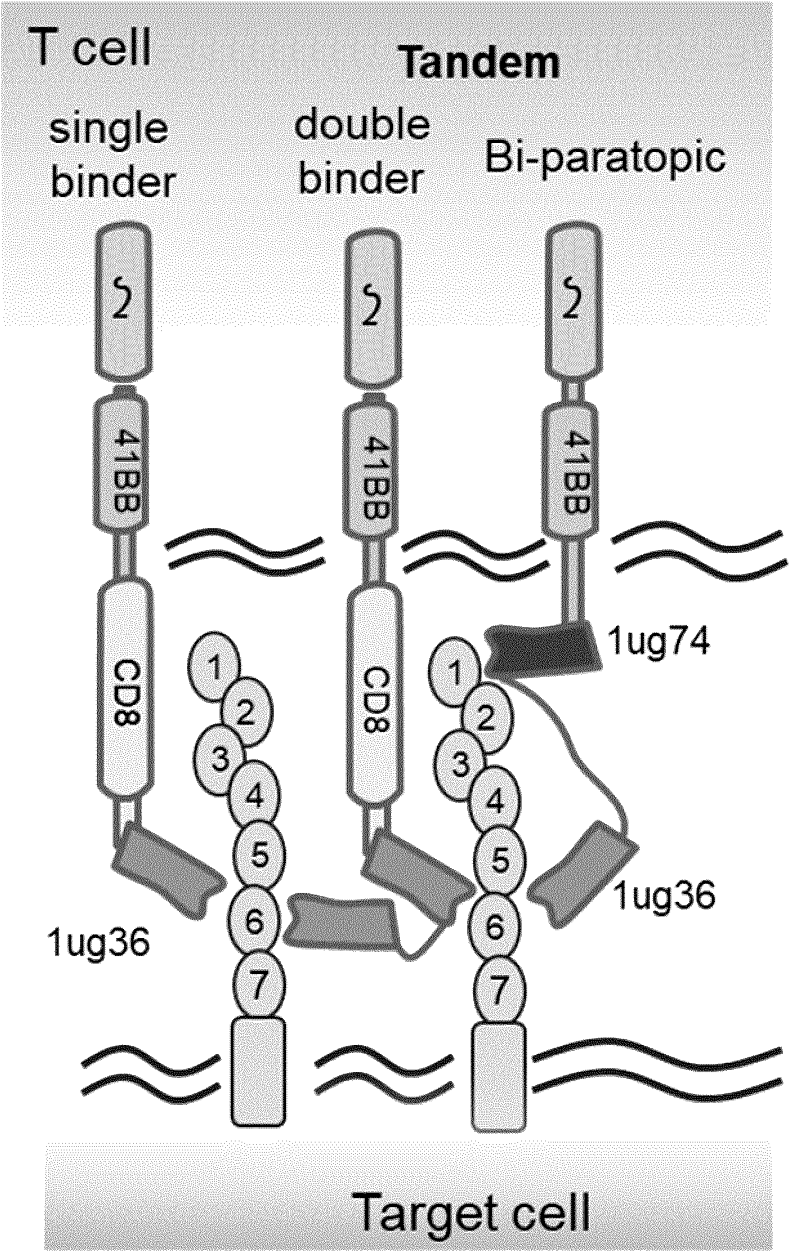


Figure 30

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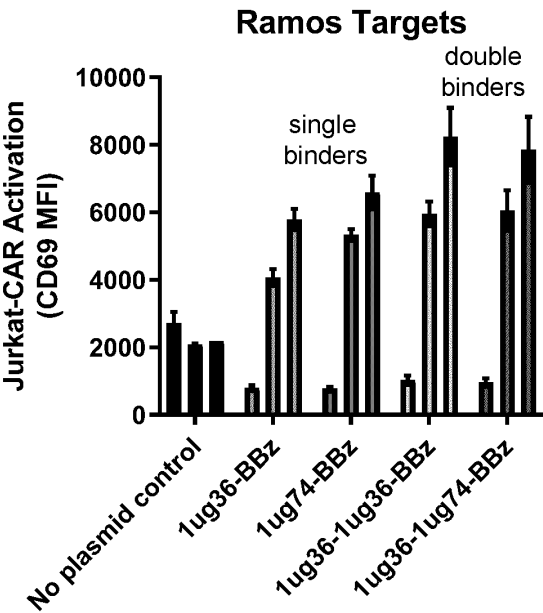


Figure 31

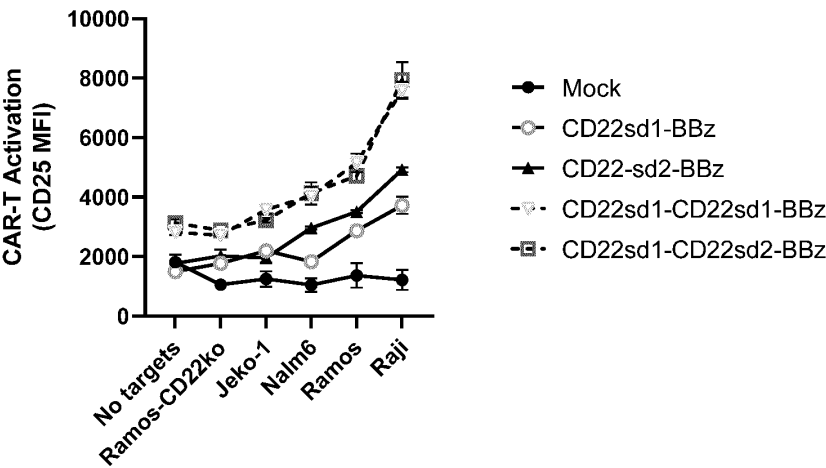


Figure 32

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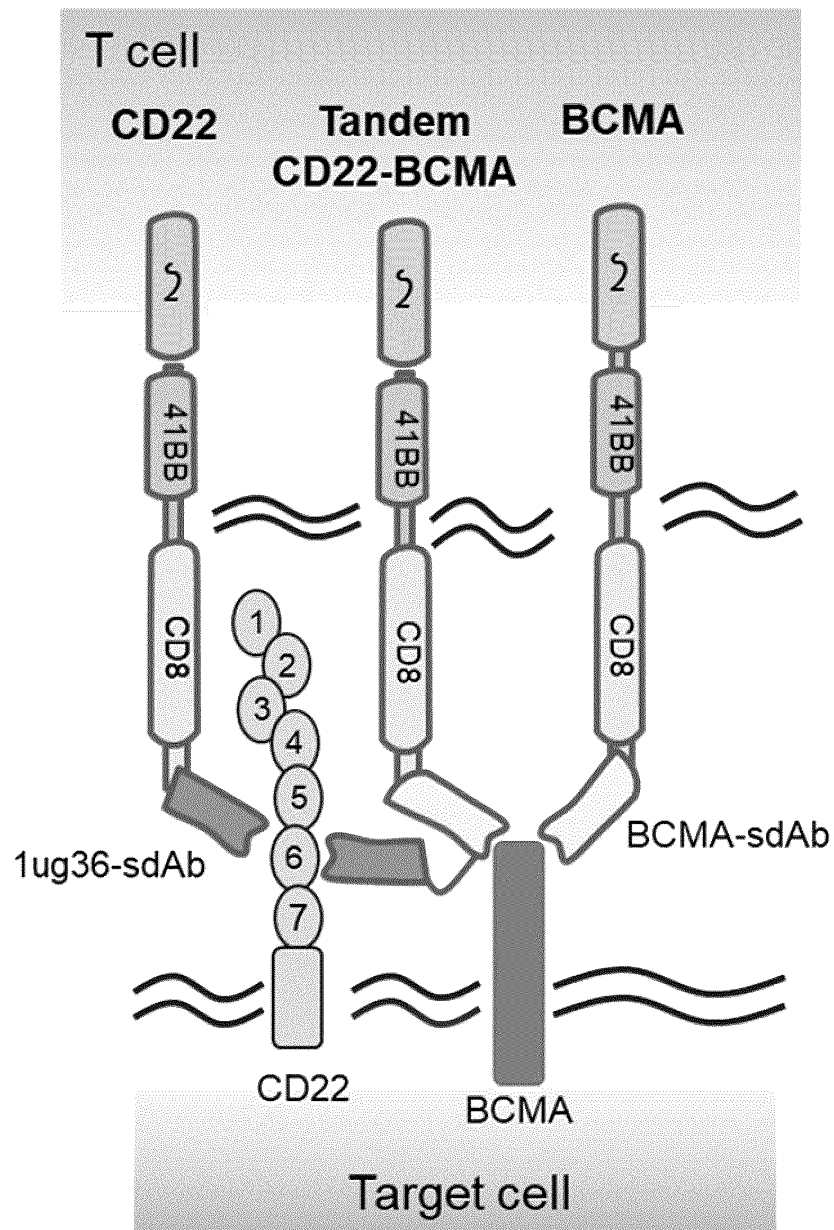


Figure 33

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CAR-J

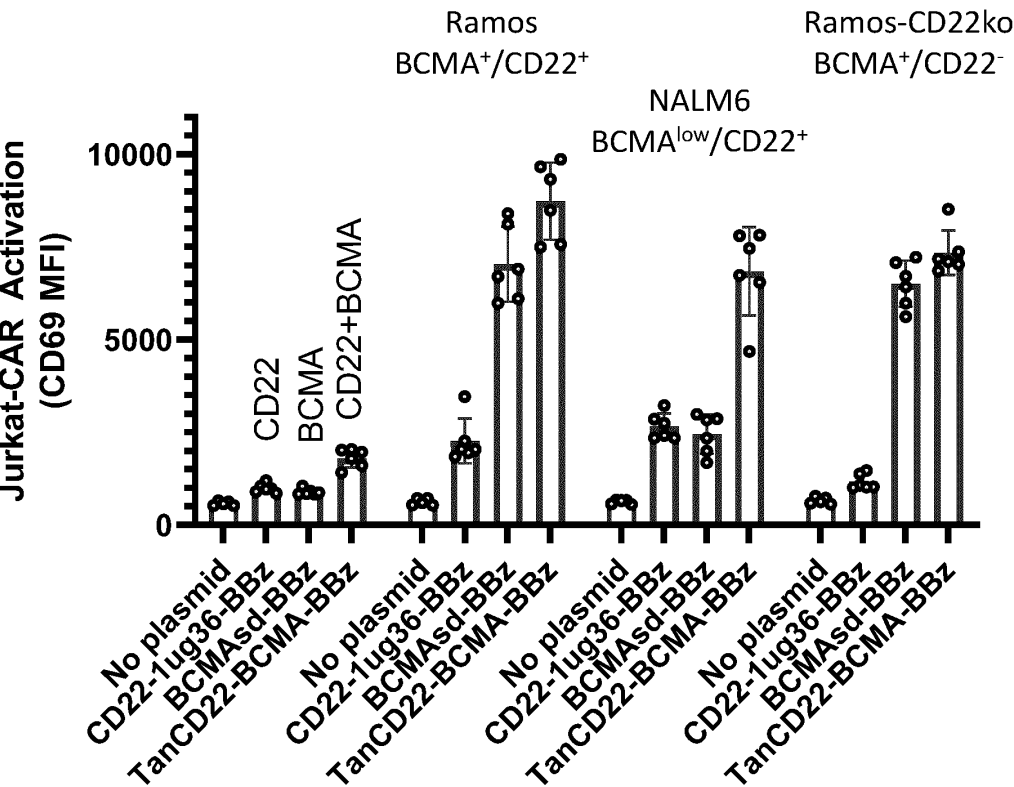


Figure 34