

SEQ. aa CDR1	SEQ. aa CDR2	SEQ. aa CDR3
GFTFSNYW (SEQ ID NO: 1)	INQDGS DK (SEQ ID NO: 7)	ASGVVYSE DY (SEQ ID NO: 13)
GFTFSFW (SEQ ID NO: 2)	MNQDGS EK (SEQ ID NO: 8)	
GFTFSYW (SEQ ID NO: 3)	INQDGS EK (SEQ ID NO: 9)	
GFSSDFW (SEQ ID NO: 4)	ISQAGSE K (SEQ ID NO: 10)	
GFTFS DYW (SEQ ID NO: 5)	IKODGS EK (SEQ ID NO: 11)	
GFTFS DY Y (SEQ ID NO: 6)	INKAGSE E (SEQ ID NO: 12)	

FIG. 1

Clone ID #	SEQ_aa_FRI_FR4	SEQ ID NO:
341635	EVQLVESGGGLVQPGGSLRLSCAASGFTFSNYSWMWVRQAPGKGQEWVATINQDGS DK DYVDSVKGRFTISRDN AKKSLYLQMNSLRAEDTAVYYCASGVYSFDYRGQGT LVTVSS	14
341662	EVQLVESGGGLAQPGGSLRLSCAASGFTFSFWMSWVRQAPGKGLEWVATMNQDGS EK DYVDSVKGRFTISRDN AKNLSYLQMNSLTAEDTAVYYCASGVYSFDYRGQGT LVTVSS	15
341691	EVQLVESGGGMVQPGGSLRLSCAASGFTFSYWMWVRQAPGKGLEWVATINQDGS EK YVDSVKGRFTISRDN AKKSLLLQMNSLRAEDTAVYYCASGVYSFDYRGQGT LVTVSS	16
334354	EVQLVESGGGLVQPGGSLRLSCAASGFSDFWMSWVRQAPGKGLEWVATISQAGS EK YVDSVKGRFTISRDN AKKSLYLQMNSLRAEDTAVYYCASGVYSFDYRGQGT LVTVSS	17
341620	EVQLVESGGGLVKPGGSLRLSCEASGFTFSYWMWVRQAPGKGLEWVAHIKQDGS EK YVDSVKGRFTISRDN AKNLSYLQMNSLRAEDTAVYYCASGVYSFDYRGQGT LVTVSS	18
341671	EVQLVESGGGLVQPGGSLRLSCVASGFTFSNYSWMWVRQAPGKGLEWVANINKAGS EEF YVDSVKGRFTISRDN AKNLSYLQMDSLRAEDTAVYYCASGVYSFDYRGQGT LVTVSS	19
341630	EVQLVESGGGLVQPGGSLRLSCVASGFTFSYMSWVRQAPGKGLEWVANIKQDGS EK YVDSVKGRFTISRDN AKNLSYLQMDSLRAEDTAVYYCASGVYSFDYRGQGT LVTVSS	20
341711	EVQLVESGGGLVQPGGSLRLSCVASGFTFSYWMWVRQAPGKGLEWVANIKQDGS EK YVDSVKGRFTISRDN AKNLSYLQMNSLRAEDTAVYYCASGVYSFDYRGQGT LVTVSS	21

FIG. 2

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Clone ID #	SEQ aa CDR1	SEQ aa CDR2	SEQ aa CDR3
341635	GFTFSNYW (SEQ ID NO: 1)	INQDSDK (SEQ ID NO: 7)	ASGVYSFDY (SEQ ID NO: 13)
341662	GFTFSSFW (SEQ ID NO: 2)	MNQDGSEK (SEQ ID NO: 8)	ASGVYSFDY (SEQ ID NO: 13)
341691	GFTFSSYW (SEQ ID NO: 3)	INQDGSEK (SEQ ID NO: 9)	ASGVYSFDY (SEQ ID NO: 13)
334354	GFSFSDFW (SEQ ID NO: 4)	ISQAGSEK (SEQ ID NO: 10)	ASGVYSFDY (SEQ ID NO: 13)
341620	GFTFSSYW (SEQ ID NO: 3)	IKQDGSEK (SEQ ID NO: 11)	ASGVYSFDY (SEQ ID NO: 13)
341671	GFTFSDYW (SEQ ID NO: 5)	INKAGSEE (SEQ ID NO: 12)	ASGVYSFDY (SEQ ID NO: 13)
341630	GFTFSDYY (SEQ ID NO: 6)	IKQDGSEK (SEQ ID NO: 11)	ASGVYSFDY (SEQ ID NO: 13)
341711	GFTFSSYW (SEQ ID NO: 3)	IKQDGSEK (SEQ ID NO: 11)	ASGVYSFDY (SEQ ID NO: 13)

FIG. 3

Column 1	Column 2	Column 3	Column 4	Column 5
Clone ID	Raji cell	Ramos cell	CHO_huCD19	CHO_OFFtgt
341635	514.8	220.7	78.4	0.9
341662	509.9	220.0	76.7	1.0
341691	524.2	214.7	75.1	1.0
334354	519.4	220.6	76.5	1.1
341620	20.6	94.1	6.9	1.0
341671	14.9	86.0	6.4	1.0
341630	1.0	0.9	1.0	1.0
341711	1.0	1.1	1.0	1.0

FIG. 4

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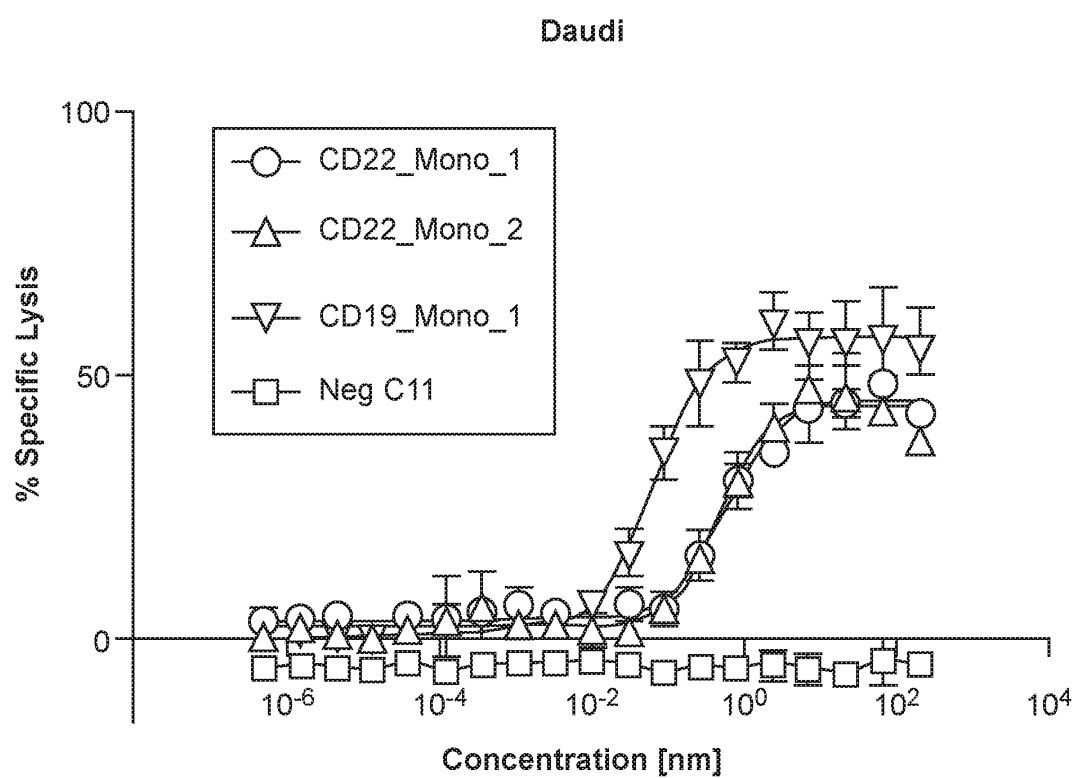


FIG. 5A

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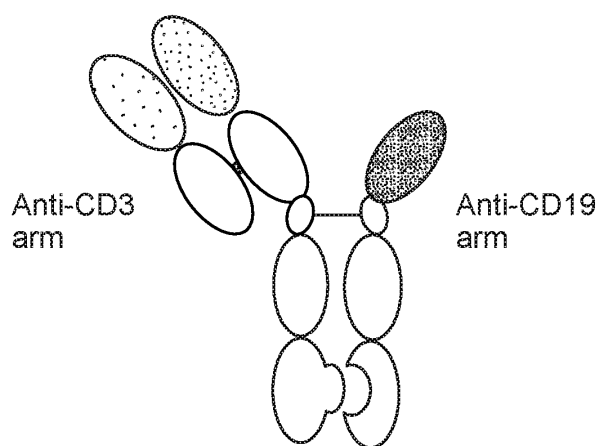
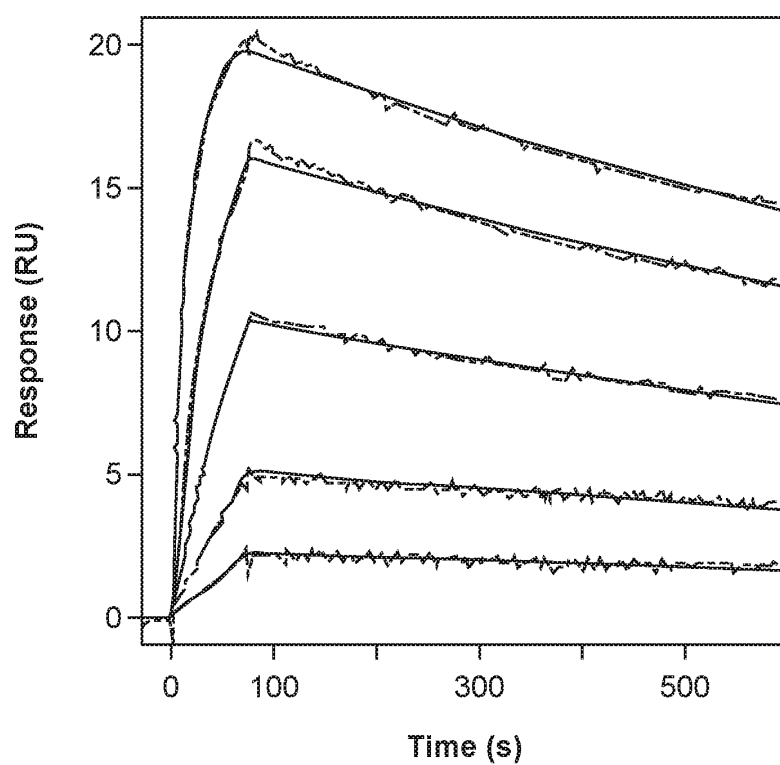


FIG. 5B

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Binding constants for TNB-486 determined at 25 degrees C

	k_a ($M^{-1}s^{-1}$)	k_d (s^{-1})	K_D
334354	$1.980(5)e5$	$7.076(7)e-4$	$3.57(1)nM$

FIG. 6

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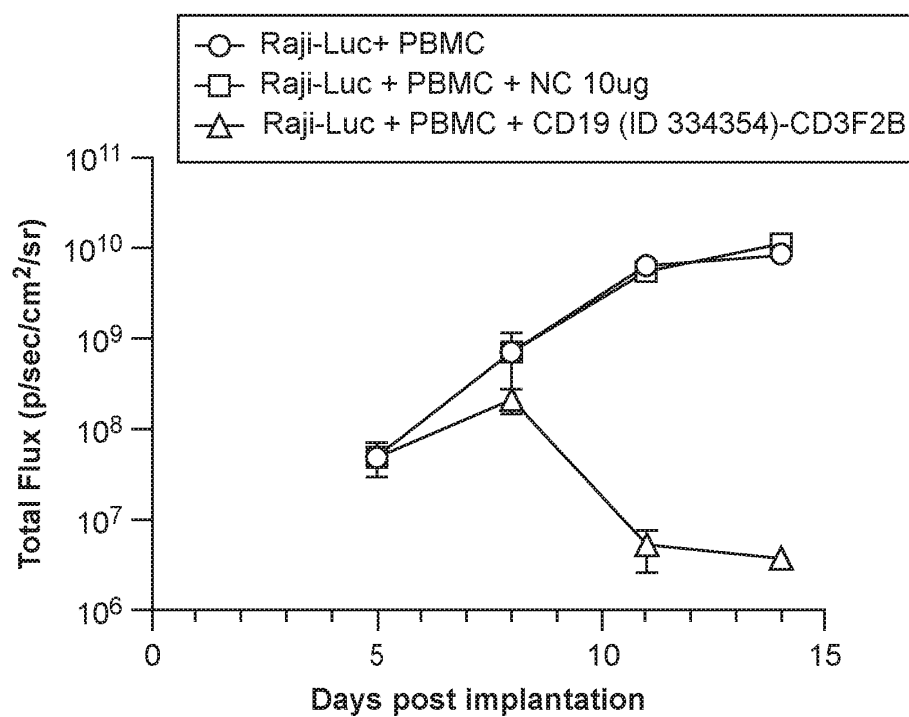


FIG. 7

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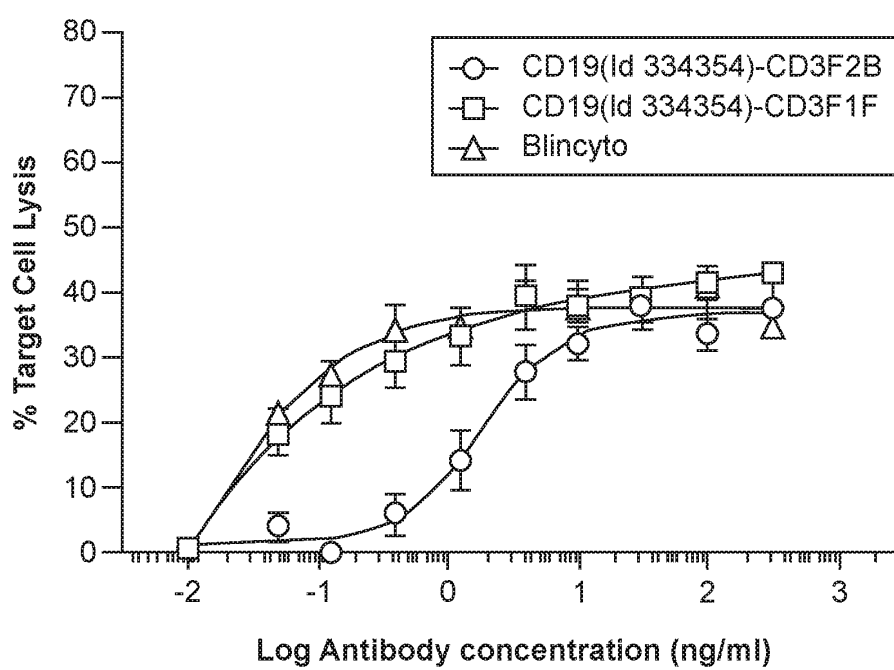


FIG. 8

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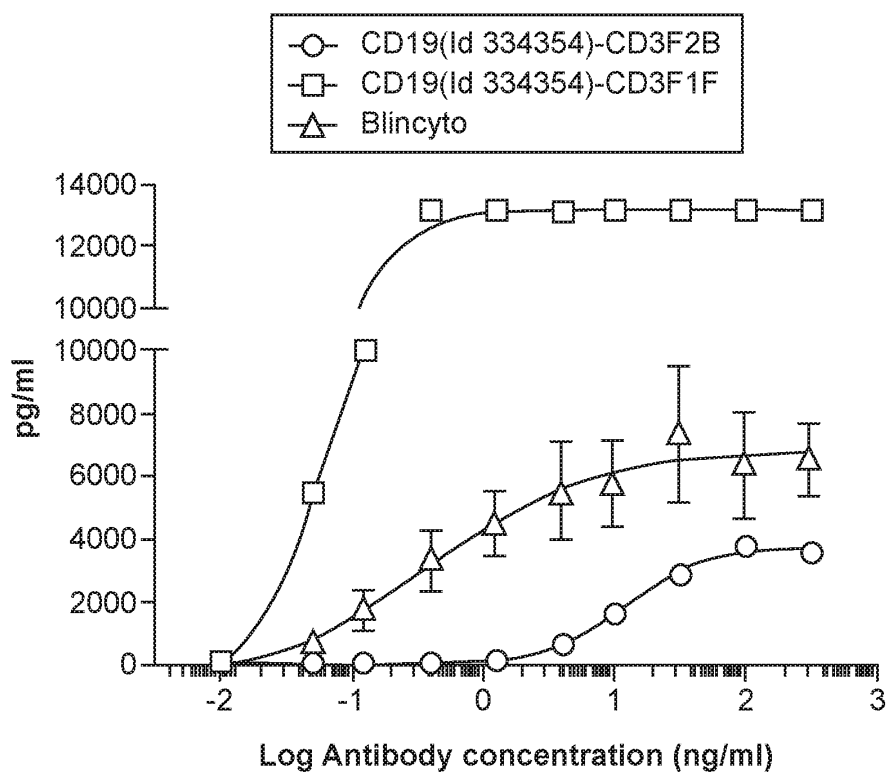


FIG. 9