MACACA	MELRALLCWASLAAALEETLLNTKLETADLKWVTFPQVDGQWEELSGLDEEQHSVRTYEV	60
_HUMAN	MELRVLLCWASLAAALEETLLNTKLETADLKWVTFPQVDGQWEELSGLDEEQHSVRTYEV	
MACACA	${\tt CDVQRAPGQAHWLRTGWVPRRGAVHVYATLRFTMLECLSLPRAGRSCKETFTVFYYESDA}$	120
_HUMAN	${\tt CDVQRAPGQAHWLRTGWVPRRGAVHVYATLRFTMLECLSLPRAGRSCKETFTVFYYESDA}$	
MACACA	${\tt DTATALTPAWMENPYIKVDTVAAEHLTRKRPGAEATGKVNVKTLRLGPLSKAGFYLAFQD}$	180
_HUMAN	${\tt DTATALTPAWMENPYIKVDTVAAEHLTRKRPGAEATGKVNVKTLRLGPLSKAGFYLAFQD}$	
MACACA	$\label{eq:construction} Q {\tt GACMALLSLHLFYKKCAQLTVNLTRFPETVPRELVVPVAGSCVVDAVPAPGPSPSLYCR}$	240
_HUMAN	$\label{eq:construct} Q {\tt GACMALLSLHLFYKKCAQLTVNLTRFPETVPRELVVPVAGSCVVDAVPAPGPSPSLYCR}$	
MACACA	${\tt EDGQWAEQPVTGCSCAPGFEAAEGNTKCRACAQGTFKPLSGEGSCQPCPANSHSNnigsa}$	300
_HUMAN	EDGQWAEQPVTGCSCAPGFEAAEGNTKCRACAQGTFKPLSGEGSCQPCPANSHSNTIGSA	
MACACA	$VCQCR {\color{blue}{I}} GYFRARTDPRGAPCTTPPSAPRSVVSRLNGSSLHLEWSAPLESGGREDLTYALR$	360
_HUMAN	VCQCRVGYFRARTDPRGAPCTTPPSAPRSVVSRLNGSSLHLEWSAPLESGGREDLTYALR	
MACACA	${\tt CRECRPGGSCAPCGGDLTFDPGPRDLVEPWVVVRGLRPDFTYTFEVTALNGVSSLATGPV}$	420
_HUMAN	CRECRPGGSCAPCGGDLTFDPGPRDLVEPWVVVRGLRPDFTYTFEVTALNGVSSLATGPV	
MACACA	${\tt PFEPVNVTTD} Rev {\tt PPAVSD} irvtrss {\tt PSSLSLawavprapsgavldy} ev ky {\tt Hekgaegps} irvtrss {\tt PSSLSLawavprapsgavldy} ev ky {\tt Hekgaegps} irvtrss {\tt PFEPVNVTTD} irvtrss {\tt PFEPVNVTD$	480
_HUMAN	PFEPVNVTTDREVPPAVSDIRVTRSSPSSLSLAWAVPRAPSGAVLDYEVKYHEKGAEGPS	
MACACA	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL	540
MACACA _HUMAN	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQLAL	540
MACACA _HUMAN MACACA	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQLAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN	540 600
MACACA _HUMAN MACACA _HUMAN	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN	540 600
MACACA _HUMAN MACACA _HUMAN MACACA	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE	540 600 660
MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE	540 600 660
MACACA _HUMAN MACACA _HUMAN _HUMAN MACACA	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM	540 600 660 720
MACACA HUMAN MACACA HUMAN MACACA HUMAN MACACA HUMAN	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQ LAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM	540 600 660 720
MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA MACACA	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQ LAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM	540 600 660 720 780
MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM LRGIASGMRYLAEMSYVHRDLAARNILVNSNLVCKVSDFGLSRFLEENSSDPTYTSSLGG	540 600 660 720 780
MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM LRGIASGMRYLAEMSYVHRDLAARNILVNSNLVCKVSDFGLSRFLEENSSDPTYTSSLGG KIPIRWTAPEAIAFRKFTSASDAWSYGIVMWEVMSFGERPYWDMSNQDVINAIEQDYRLP	540 600 660 720 780 840
MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM LRGIASGMRYLAEMSYVHRDLAARNILVNSNLVCKVSDFGLSRFLEENSSDPTYTSSLGG KIPIRWTAPEAIAFRKFTSASDAWSYGIVMWEVMSFGERPYWDMSNQDVINAIEQDYRLP	540 600 660 720 780 840
MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM KIRGIASGMRYLAEMSYVHRDLAARNILVNSNLVCKVSDFGLSRFLEENSSDPTYTSSLGG KIPIRWTAPEAIAFRKFTSASDAWSYGIVMWEVMSFGERPYWDMSNQDVINAIEQDYRLP PPPDCPTSLHQLMLDCWQKDRNARPRFPQVVSALDKMIRNPASLKIVARENGGDLLRIGV	540 600 660 720 780 840 900
MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM KISEASSIMGQFEHPNIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM KIGIASGMRYLAEMSYVHRDLAARNILVNSNLVCKVSDFGLSRFLEENSSDPTYTSSLGG KIPIRWTAPEAIAFRKFTSASDAWSYGIVMWEVMSFGERPYWDMSNQDVINAIEQDYRLP PPPDCPTSLHQLMLDCWQKDRNARPRFPQVVSALDKMIRNPASLKIVARENGGDLLRIGV	540 600 660 720 780 840 900
MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA _HUMAN MACACA	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM KISEASGMRYLAEMSYVHRDLAARNILVNSNLVCKVSDFGLSRFLEENSSDPTYTSSLGG KIPIRWTAPEAIAFRKFTSASDAWSYGIVMWEVMSFGERPYWDMSNQDVINAIEQDYRLP KIPIRWTAPEAIAFRKFTSASDAWSYGIVMWEVMSFGERPYWDMSNQDVINAIEQDYRLP PPPDCPTSLHQLMLDCWQKDRNARPRFPQVVSALDKMIRNPASLKIVARENGGDLLRIGV TLAGHQKKILASVQHMKSQAKPGAPGGTGGPTPQY 935	540 600 660 720 780 840 900
MACACA HUMAN MACACA HUMAN MACACA HUMAN MACACA HUMAN MACACA HUMAN MACACA HUMAN MACACA HUMAN	SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDENEGWREQLAL SVRFLKTSENRAELRGLKRGASYLVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQ LAL IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN IAGTAVVGVVLVLVVIVVAVLCLRKQSNGREAEYSDKHGQYLIGHGTKVYIDPFTYEDPN EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE EAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRRE FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM KISEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM FLSEASIMGQFEHPNIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGM PPPDCPTSLAPAMSYVHRDLAARNILVNSNLVCKVSDFGLSRFLEENSSDPTYTSSLGG KIPIRWTAPEAIAFRKFTSASDAWSYGIVMWEVMSFGERPYWDMSNQDVINAIEQDYRLP PPPDCPTSLHQLMLDCWQKDRNARPRFPQVVSALDKMIRNPASLKIVARENGGDLLRIGV PPPDCPTSLHQLMLDCWQKDRNARPRFPQVVSALDKMIRNPASLKIVARENGGDLLRIGV TLAGHQKKILASVQHMKSQAKPGAPGGTGGPTPQY 935 TLAGHQKKILASVQHMKSQAKPGTPGGTGGPAPQY 935	540 600 660 720 780 840 900

Homology of the extracellular domain of human and cynomolgus EPHB4. Extracellular portion of EPHB4 amino acid sequence was highlighted in green (cynomolgus macaque; A0A2K5V953) and red (Homo Sapiens; P54760). Homology of the extracellular portion of human and cynomolgus EPHB4 was >99%.

No Tx group (Male)



Supplementary figure 2

Histological image of heart in PBMC group. The infiltration of mononuclear cells was detected.



Supplementary figure 3

Transposon plasmids. ECD; Extra cellular domain, ITR; Inverted Tandem Repeat, puroR; puromycin resistant gene, GFP; Green fluorescent protein gene.



PB-EPHB4-CAR-T cell manufacturing scheme. Detailed manufacturing procedure was described in Materials and Methods.

Supplementary Table 1

Hematolo	gу			
Parameters (Unit)		n Min		Max
HGB	(g/dL)	525	10.8	15.9
HCT	(%)	525	35.1	51.1
Retic	(10 ⁹ /L)	525	11.9	115.4
WBC	(10 ³ /µL)	524	3.48	22.08
Neut	(10 ³ /µL)	518	0.47	11.27
Mono	(10 ³ /µL)	522	0.14	1.11
Lymph	(10 ³ /µL)	521	2.24	15.26
PLT	(10 ³ /µL)	525	157	595

Biochemistry

Parameters (Unit)		n	Min	Max
AST	(U/L)	901	13	81
ALT	(U/L)	902	8	122
LDH	(U/L)	780	141	581
CK	(U/L)	838	58	1316
CRP	(mg/dL)	93	0.01	0.64
BIL	(mg/dL)	905	0.03	0.31
TP	(g/dL)	505	6.30	8.82
ALB	(g/dL)	502	3.31	4.95
UN	(mg/dL)	913	10.1	32.3
CRE	(mg/dL)	911	0.47	1.01
Na	(mEq/L)	913	143.4	166.9
K	(mEq/L)	914	3.04	6.19

Supplementary Table 1

In-house data of blood examination. Two to four-years-old healthy cynomolgus macaques housed in Ina Research Inc. from 2016 to 2019 were subjected to a blood examination to obtain the reference values. The minimum and maximum values of each parameter were determined.

Name	clone	Product#	Company
Goat anti Ephrin B2	polyclonal	AF496	R&D SYSTEMS
PE anti-goat IgG Fc	polyclonal	F0107	R&D SYSTEMS
APC anti CD3	UCHT1	300412	Biolegend
APC anti-CD8a	HIT8a	300912	Biolegend
FITC anti-CD4	OKT4	317408	Biolegend
FITC anti-CD45RA	HI100	304106	Biolegend
APC anti-CCR7	G043H7	353214	Biolegend
Recombinant human Ephrin B2-Fc chimera protein	-	7397-EB	R&D SYSTEMS
APC anti human IgG Fc	HP6017	409306	Biolegend

Supplementary Table 2 List of antibodies used in this study.

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(Forward Primer) 5'-GACTACATGAACATGACTCCCCG-3'
(Reverse Primer) 5'-GTCCAAAACATCGTACTCCTCTC3'
(probe) 5' FAM-ACCCGCAAGCATTACCAGCCCT-TAMRA 3'
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Supplementary Table 3 Primer and Probe set for the detection of EPHB4-CAR transgene.