

Table S1 Summary of materials

Reagents	Manufacturer	Cat. No.
RPMI1640 medium	Thermo Fisher	C11875500BT
PBS 7.4	Thermo Fisher	C10010500BT
ACK Lysing Buffer	Thermo Fisher	A10492-01
KIRA6	MedChemExpress	HY-19708
Tween 80	MedChemExpress	HY-Y1891
PEG300	MedChemExpress	HY-Y0873
Cell Counting Kit-8	Beyotime Biotechnology	C0039
Brilliant Violet 785™ anti-mouse Ly-6C	BioLegend	128041
Alexa Fluor® 700 anti-mouse CD3	BioLegend	100216
APC anti-mouse/human CD11b	BioLegend	101212
PE/Cyanine7 anti-mouse CD4	BioLegend	100422
PE/Dazzle™ 594 anti-mouse Ly-6G	BioLegend	127648
PE anti-mouse CD8a	BioLegend	100707
7-AAD Viability Staining Solution	BioLegend	420403
APC Annexin V Apoptosis Detection Kit with 7-AAD	BioLegend	640930
APC-Cy™7 Rat Anti-Mouse CD45	BD Biosciences	557659
Invivo anti-mouse PD-1 Recombinant mAb(D265A)	Starter Biotechnology	S0B0594
PAGE Gel Quick Preparation Kit (10%)	Yeast Biotechnology	20325ES62
BCA Protein Quantification Kit	Yeast Biotechnology	20201ES86
10×TBST Buffer	Yeast Biotechnology	60145ES76
Fast Western Blocking Solutions	Yeast Biotechnology	36122ES76
Primary&Seconfary Antibody Diluent for WB	Yeast Biotechnology	36206ES76
10×Fast Transfer Buffer	Yeast Biotechnology	36123ES76
Super ECL Detection Reagent	Yeast Biotechnology	36208ES76
Universal Electrophoresis and Transfer Buffer (for Western Blot)	Yeast Biotechnology	20329ES50
Arginase-1 (D4E3M™) XP ® Rabbit mAb	Cell Signaling Technology	93668S
Phospho-ERK1-T202/Y204+ERK2-T185/Y187 Rabbit mAb	Abclonal	AP0974
Phospho-c-Myc-S62 Rabbit mAb	Abclonal	AP0989
ERK1/2 Mouse Monoclonal Antibody	Proteintech	66192-1-Ig
c-MYC Mouse Monoclonal Antibody	Proteintech	67447-1-Ig
β-Actin,Mouse mAb	Yeast Biotechnology	30101ES60
HRP-conjugated Affinipure Goat Anti-Mouse IgG(H+L)	Proteintech	SA00001-1
Goat pAb to Rb IgG (HRP)	Abcam	ab6721
Mouse G-CSF ELISA Kit	MultiSciences	EK269-96
TRIzol® Reagent	Thermo Fisher	15596018