

Table S1. Antibodies, related to STAR Methods

Antibody	SOURCE
CD16/CD32 (Mouse Fc Block; 2.4G2)	BD Bioscience
CD45 (30-F11)	Biolegend
NK1.1 (PK136)	Biolegend
CD3 (17A2)	Biolegend
CD8 (53-6.7)	Biolegend
CD4 (GK1.5)	Biolegend
Gr-1 (RB6-8C5)	Biolegend
PD-L1 (CD274;10F.9G2)	Biolegend
CD31 (390)	Biolegend
VCAM-1 (CD106;MVCAM.A)	Biolegend
P-selectin (CD62P; RMP-1)	Biolegend
CD69 (H1.2F3)	Biolegend
CTLA-4 (CD152; UC10-4B9)	Biolegend
2B4 (CD244.2; m2B4 (B6)458.1)	Biolegend
VLA-4 (CD49d; R1-2)	Biolegend
F4/80 (BM8)	Biolegend
PD-1 (CD279; RMP1-30)	Biolegend
CD44 (IM7)	Biolegend
CD107a (ID4B)	Biolegend
CD86 (GL-1)	Biolegend
CD11c (N418)	Biolegend
CD206 (MMR)	Biolegend
Ly6C (HK1.4)	Biolegend
Ly6G (1A8)	BD Bioscience
MHC-II (M5/114.15.2)	Biolegend
Granzyme-B (GB11)	Biolegend
CD11b (M1/70)	BD Bioscience
MHC-I (H-2kb; AF6-88.5.5.3)	eBioscience
LAG-3 (eBioC9B7W)	eBioscience
TNF- α (MP6-XT22)	eBioscience
IFN- γ (XMG1.2)	Tonbo Bioscience
ICAM-1 (AB796)	R&D Systems
VEGFR-2 (DC101)	BioXcell
NK1.1 (PK136)	BioXcell
CD4 (GK1.5)	BioXcell
CD8 (2.43)	BioXcell
VCAM (M/K-2.7)	BioXcell
PSGL-1 (4RA10)	BioXcell
ICAM-1 (YN1/1.7.4)	BioXcell
IL-6 (MP5-20F3)	BioXcell
TGF- β (1D11.16.8)	BioXcell
IL-1 β (B122)	BioXcell
PD-1 (RMP1-14)	BioXcell

CXCL-1 (48415)	R&D systems
CCL-5 (53405)	R&D systems
pERK ^{T202/Y204} (D13.14.4E)	Cell Signaling
Cleaved caspase-3 (CC3;5A1E)	Cell Signaling
PDGFR β (28E1)	Cell Signaling
NF- κ B (p65;D14E12)	Cell Signaling
Ki67 (SP6)	Abcam
CD31 (ab28364)	Abcam
α -smooth muscle actin (α SMA;ab5694)	Abcam
CD3 (ab5690)	Abcam
Granzyme B (ab4059)	Abcam
pRB ^{S807/S811} (sc-16670)	Santa Cruz
NKp46 (AF2225)	R&D Systems
VCAM-1 (AF643)	R&D Systems
ICAM-1 (AF796)	R&D Systems
FOXP3 (FJK-16s)	eBioscience
Cytokeratin 19	University of Iowa
Mouse pan-endothelial cell antigen	University of Iowa
P-selectin (LS-B3578)	LSBio
FAP (ABT11)	Millipore
CD31 (SZ31)	Dianova
Biotinylated hyaluronic acid binding protein (HABP; AMS.HKD-BC41)	AMSBIO
CD8 (4SM15)	Thermo Fisher Scientific
LYVE-1 (ALY7)	Thermo Fisher Scientific
Anti-pimonidazole mouse IgG1 monoclonal antibody (MAb1)	Hypoxyprobe.com

IDENTIFIER
Cat#553142; RRID:AB_394657
Cat#103128; RRID:AB_493715
Cat#108740; RRID:AB_2562274
Cat#100229; RRID:AB_11204249
Cat#100713; RRID:AB_312752
Cat#100410; RRID:AB_312695
Cat#108424; RRID:AB_2137485
Cat#124321; RRID:AB_2563635
Cat#102419; RRID:AB_10612742
Cat#105717; RRID: AB_1877142
Cat#148309; RRID. AB_2565985
Cat#104526; RRID:AB_10679041
Cat#106323; RRID:AB_2566467
Cat#133513; RRID AB_2564340
Cat#103621; RRID AB_2565776
Cat#123110; RRID AB_893486
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Cat#107613; RRID AB_313328
Cat#515408; RRID AB_2562196
Cat#563553; RRID:AB_2738276
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Cat#17-2231-82; RRID AB_2573184
Cat#17-7321-81; RRID AB_469508
Cat#75-7311-U025; RRID AB_2621970
Cat#FAB796P; RRID AB_2248703
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Cat#BE0036; RRID:AB_1107737
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Cat#BE0061; RRID:AB_1125541
Cat#BE0027; RRID. AB_1107572
Cat#BE0186; RRID. AB_10950305
Cat#BE0020-1; RRID:AB_1107661
Cat#BE0046; RRID:AB_1107709
Cat#BE0057; RRID. AB_1107757
Cat#BE0246; RRID:AB_2687727
Cat#BE0146; RRID:AB_10949053

Cat#MAB453-SP; RRID:AB_2827952
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Cat#9664; RRID AB_2070042
Cat#3169; RRID AB_2162497
Cat#8242; RRID AB_10859369
Cat#ab16667; RRID AB_302459
Cat#ab28364; RRID AB_726362
Cat#ab5694; RRID AB_2223021
Cat#ab5690; RRID AB_305055
Cat#ab4059; RRID AB_304251
Cat#sc-16670; RRID AB_655250
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Cat#AF643; RRID AB_355499
Cat#AF796; RRID AB_2248703
Cat#14-5773-82; RRID AB_467576
Cat#TROMA-III; RRID AB_2133570
Cat#MECA32; RRID AB_531797
Cat#LS-B3578; RRID AB_10629269
Cat#ABT11; RRID AB_11213249
Cat#DIA-310; RRID AB_2631039
Cat#AMS.HKD-BC41
Cat#14-0808-82; RRID:AB_2572861
Cat#14-0443-82; RRID AB_1633414
Cat#HPMAb-1; RRID:AB_2801307