

REAGENT or RESOURCE	FLUOROCHROME	CLONE	DILUTION	SOURCE	IDENTIFIER
Viability dyes					
	AF700 Fixable Viability Stain	N/A	1:1,000	BD Horizon	Cat #564997, RRID: AB_2869637
	DAPI	N/A	1:10,000	BioLegend	Cat #422801
Anti-mouse antibodies for flow cytometry					
ANTIGEN	FLUOROCHROME	CLONE	DILUTION	SOURCE	IDENTIFIER
goat anti-rabbit	AF488	polyclonal	1:500	Thermo Fisher Scientific	Cat #A111034, RRID: AB_2576217
AlpI	unconjugated	SA40-00	1:50	Novus Biologicals	Cat #NBP2-67295, RRID: AB_3353583
B220	BV605	RA3-6B2	1:100	BD Horizon	Cat #563708, RRID: AB_2738383
B220	PB	RA3-6B2	1:100	BioLegend	Cat #103227, RRID: AB_492876
CD106	BV421	429	1:200	BD	Cat #740019, RRID: AB_2739791
CD106	BV605	MVCAM.A	1:200	BD Biosciences	Cat #745193, RRID: AB_2742789
CD11b	APC	M1/70	1:100	BioLegend	Cat #101212, RRID: AB_312795
CD11b	BV605	M1/70	1:400	BD Horizon	Cat #563015, RRID: AB_2737951
CD11b	eF450	M1/70	1:400	eBioscience	Cat #48-0112-82, RRID: AB_1582236
CD11b	PB	M1/70	1:100	BioLegend	Cat #101224, RRID: AB_755986
CD11b	BV711	M1/70	1:400	BioLegend	Cat #101242, RRID: AB_2563310
CD115	PE	AFS98	1:400	Thermo Fisher Scientific	Cat #14-1152-82, RRID: AB_467428
CD115	PerCP-eF710	AFS98	1:400	Thermo Fisher Scientific	Cat #46-1152-82, RRID: AB_10597740
CD117	AF700	2B8	1:100	BioLegend	Cat #105845, RRID: AB_2783045
CD117	APC	2B8	1:100	BioLegend	Cat #105812, RRID: AB_313221
CD117	PE-Cy7	ACK2	1:200	BioLegend	Cat #135112, RRID: AB_2131135
Cd140a	BV421	APA5	1:200	BioLegend	Cat #135923, RRID: AB_2814036
CD140a	PE-Cy7	APA5	1:200	BioLegend	Cat #135911, RRID: AB_2715973
CD140a	PerCP-cy5.5	APA5	1:200	BioLegend	Cat #135913, RRID: AB_2715986
CD140b	APC	APB5	1:100	BioLegend	Cat #136007, RRID: AB_2043971
CD146	AF488	ME-9F1	1:200	BioLegend	Cat #134707, RRID: AB_10641136
CD146	PerCP-cy5.5	ME-9F1	1:200	BioLegend	Cat #134709, RRID: AB_11204083
CD150	BV421	Q38-480	1:100	BD Horizon	Cat #566298, RRID: AB_2732006
CD150	PE-Cy7	TC15-12F12.2	1:100	BioLegend	Cat #115914, RRID: AB_439797
CD157	BV786	BP-3	1:400	BD	Cat #741012, RRID: AB_2740634
CD16/Cd32	BV786	2.4G2	1:200	BD	Cat #740851, RRID: AB_2740505
CD16/Cd32	PE-Cy7	2.4G2	1:200	BD	Cat #560829, RRID: AB_3684973
CD19	biotinylated	6D5	1:200	BioLegend	Cat #115504, RRID: AB_313639
CD19	PE-Cy5.5	6D5	1:400	SouthernBiotech	Cat #1575-16, RRID: AB_2794957
CD192	BV786	475301	1:400	BD OptiBuild	Cat #747966, RRID: AB_2872427
CD21/35	BV510	7E9	1:200	BioLegend	Cat #123437, RRID: AB_2876441
CD3	PB	17A2	1:400	BioLegend	Cat #100214, RRID: AB_493645
CD3	PE	17A2	1:100	BioLegend	Cat #100206, RRID: AB_312663
CD3e	APC	145-2C11	1:400	BioLegend	Cat #100312, RRID: AB_312677
CD3e	biotinylated	145-2C11	1:200	BioLegend	Cat #100304, RRID: AB_312669
CD3e	BV605	145-2C11	1:400	BD Horizon	Cat #563004, RRID: AB_2737945
CD31	BV711	390	1:200	BioLegend	Cat #102449, RRID: AB_2860594
CD34	PE	SA376A4	1:100	BioLegend	Cat #152204, RRID: AB_2629648
CD34	PE-Cy7	SA376A4	1:200	BioLegend	Cat #152217, RRID: AB_2910311
CD41	AF700	MWReg30	1:200	BioLegend	Cat #133925, RRID: AB_2572129
CD41	APC-Cy7	MWReg30	1:100	BioLegend	Cat #133928, RRID: AB_2572132
CD41	PE	MWReg30	1:100	BD Pharmingen	Cat #558040, RRID: AB_397004
CD41	PE-Cy7	MWReg30	1:400	BioLegend	Cat #133916, RRID: AB_11124102
CD45	AF700	30-F11	1:400	BioLegend	Cat #103127, RRID: AB_493714
CD45	APC-Cy7	30-F11	1:400	BioLegend	Cat #103116, RRID: AB_312981
CD45	PB	30-F11	1:400	BioLegend	Cat #103125, RRID: AB_493536
CD45.1	APC-Cy7	A20	1:400	BioLegend	Cat #110716, RRID: AB_313505
CD45.1	BV605	A20	1:100	BioLegend	Cat #110738, RRID: AB_2562565
CD45.1	BV786	A20	1:100	BD OptiBuild	Cat #740889, RRID: AB_2740538
CD45.2	AF700	104	1:400	BD Pharmingen	Cat #560693, RRID: AB_1727491
CD45.2	PE	104	1:400	Thermo Fisher Scientific	Cat #12-0454-82, RRID: AB_465678
CD45.2	PerCP-Cy5.5	104	1:100	BioLegend	Cat #109828, RRID: AB_893350
CD48	APC-Cy7	HM48-1	1:100	BioLegend	Cat #103432, RRID: AB_2561463
CD51	Pe-Cy7	RMV-7	1:200	antibodies online	Cat #ABIN7457640
CD56	BV421	809220	1:100	BD Biosciences	Cat #748094, RRID: AB_2872555
CD63	APC-Cy7	NVG-2	1:100	BioLegend	Cat #143907, RRID: AB_2565497
CD63	PerCP-Cy5.5	NVG-2	1:100	BioLegend	Cat #143912, RRID: AB_2565502
F4/80	APC	BM8	1:400	BioLegend	Cat #123116, RRID: AB_893481
F4/80	PE-Cy7	BM8	1:100	Sony Biotechnology	Cat #1215570, RRID: AB_3083438
Gr-1	AF700	RB6-8C5	1:100	BioLegend	Cat #108421, RRID: AB_493728
Gr-1	biotinylated	RB6-8C5	1:100	BD Pharmingen	Cat #553125, RRID: AB_394641
Gr-1	BV605	RB6-8C5	1:100	BD Biosciences	Cat #563229, RRID: AB_2738126
Gr-1	PB	RB6-8C5	1:400	BioLegend	Cat #108430, RRID: AB_893556
Gr-1	PerCP-cy5.5	RB6-8C5	1:400	BioLegend	Cat #108428, RRID: AB_893558
Lamp1	AF488	1D4B	1:200	BioLegend	Cat #121607, RRID: AB_571982

Lamp1	PerCP-Cy5.5	1D4B	1:200	BioLegend	Cat #121626, RRID: AB_2572055
Ly6C	AF700	HK1.4	1:400	BioLegend	Cat #128023, RRID: AB_10640119
Ly6C	APC-Fire750	HK1.4	1:200	BioLegend	Cat #128046, RRID: AB_2616731
Ly6G	biotinylated	1A8	1:200	eBioscience	Cat #13-9668-82, RRID: AB_2815061
Ly6G	PE-CF594	1A8	1:400	BD Horizon	Cat #562700, RRID: AB_2737730
Lepr	biotinylated	polyclonal	1:200	R&D systems	Cat #BAF497, RRID: AB_2296953
Madcam1	APC	MECA-367	1:200	BioLegend	Cat #120711, RRID: AB_2629561
Mhcll	BV786	M5/114.15.2	1:1,000	BioLegend	Cat #107645, RRID: AB_2565977
Mhcll	PerCP-Cy5.5	M5/114.15.2	1:100	BioLegend	Cat #107625, RRID: AB_2191072
NG2	PE	1E6.4	1:50	Miltenyi Biotec	Cat #130-123-964, RRID: AB_2889409
Nk1.1	biotinylated	PK136	1:200	BioLegend	Cat #108704, RRID: AB_313391
PDPN	APC-Cy7	8.1.1	1:200	BioLegend	Cat #127418, RRID: AB_2629804
PDPN	Pe-Cy7	8.1.1	1:200	BioLegend	Cat #127411, RRID: AB_10613294
rabbit	AF488	polyclonal	1:500	Thermo Fisher Scientific	Cat #A11034, RRID: AB_2576217
S100A8	unconjugated	ERP3554	1:200	abcam	Cat #ab92331, RRID: AB_2050283
Sca-1	APC-Cy7	D7	1:200	BD Pharmingen	Cat #560654, RRID: AB_1727552
Sca-1	BV786	D7	1:100	BioLegend	Cat #108139, RRID: AB_2565957
Sca-1	PerCP-Cy5.5	E13-161.7	1:100	BioLegend	Cat #122524, RRID: AB_893617
Streptavidin	PE Dazzle 594	not specified	1:400	BioLegend	Cat #405247, RRID: AB_3697286
Ter119	AF700	TER-119	1:400	BioLegend	Cat #116220, RRID: AB_528963
Ter119	biotinylated	TER-119	1:200	eBioscience	Cat #13-5921-82, RRID: AB_466797
Ter119	BV711	TER-119	1:400	BD OptiBuild	Cat #740686, RRID: AB_2740372
Ter119	PB	TER-119	1:200	BioLegend	Cat #116232, RRID: AB_2251160
Anti-mouse antibodies for cell sorting					
Antigen	FLUOROCHROME	CLONE	DILUTION	SOURCE	IDENTIFIER
CD150	PE-Cy7	TC15-12F12.2	1:200	BioLegend	Cat #115914, RRID: AB_439797
CD19	biotinylated	6D5	1:200	BioLegend	Cat #115504, RRID: AB_313639
CD19	PB	6D5	1:200	BioLegend	Cat #115526, RRID: AB_493341
CD3e	biotinylated	145-2C11	1:200	eBioscience	Cat #13-0031-82, RRID: AB_466319
CD3e	BV421	145-2C11	1:200	BioLegend	Cat #100335, RRID: AB_10898314
CD31	PE	MEC 13.3	1:200	BioLegend	Cat #102507, RRID: AB_312915
CD45	APC-Cy7	30-F11	1:400	BioLegend	Cat #103116, RRID: AB_312981
CD71	BV421	RI7217	1:200	BioLegend	Cat #113813, RRID: AB_10899739
Gr-1	biotinylated	RB6-8C5	1:200	BioLegend	Cat #108404, RRID: AB_313369
Ly6G	FITC	1A8	1:200	BioLegend	Cat #127606, RRID: AB_1236494
Mhcll	BV786	M5/114.15.2	1:1,000	BioLegend	Cat #107645, RRID: AB_2565977
Nk1.1	biotinylated	PK136	1:200	BioLegend	Cat #108704, RRID: AB_313391
Sca-1	BV786	D7	1:100	BioLegend	Cat #108139, RRID: AB_2565957
Streptavidin	PerCP-Cy5.5	N/A	1:500	BD Pharmingen	Cat #551419, RRID: AB_2868934
Ter119	biotinylated	TER-119	1:200	eBioscience	Cat #13-5921-82, RRID: AB_466797
Ter119	PB	TER-119	1:400	BioLegend	Cat #116232, RRID: AB_2251160
Anti-mouse antibodies for CODEX imaging					
ANTIGEN	OLIGO SEQUENCE (5' F → 3')	CLONE	DILUTION	SOURCE	IDENTIFIER
alpha-SMA	GTGAAACGGCAGC AF750	1A4	1:200	abcam	Cat #ab240654, RRID: AB_2922779
beta-Catenin	Atto 550	N/A	1:100	Akoya Biosciences	Cat #AKYP0068, RRID: AB_3082978
B220	CACTTTGCCGTGC AF750	RA3-6B2	1:100	BioLegend	Cat #103202, RRID: AB_312987
C3	TCGTGCAAGCAAAT Cy5	11H9	1:100	Novus Biologicals	Cat #NB200-540
Caveolin	AF750	D46G3	1:100	Akoya Biosciences	Cat #AKYP0115, RRID: AB_3662763
CD106	GTAGTCCTAAACCAT AF750	429 (MVCAM.A)	1:100	BioLegend	Cat #105702, RRID: AB_313203
CD117	GTGCGAGTTGACCT Cy3	polyclonal	1:250	Novus Biologicals	Cat #AF1356, RRID: AB_354750
CD11c	CGCTCCTCATGATAA Cy5	N418	1:100	BioLegend	Cat #117301, RRID: AB_313770
CD146	ACGAGTGTATAACCC Cy5	EPR3208	1:100	Abcam	Cat #ab210072, RRID: AB_3081922
CD150	GAATATTCATCTGCG Cy5	polyclonal	1:100	antibodies online	Cat #ABIN74968
CD157	TACGTTAGTGGACCA Cy5	BP-3	1:100	BioLegend	Cat #140202, RRID: AB_10639943
CD169	AACGACCATGTGACC AF750	3D6.112	1:100	BioLegend	Cat #142402, RRID: AB_10916523
CD21/35	GCTGGGGTGA Cy5	7E9	1:100	BioLegend	Cat #123429, RRID: AB_2888728
CD3	AAATACGAAATCCGC AF750	17A2	1:100	BioLegend	Cat #100202, RRID: AB_312659
CD31	ATTTTCCCGCAGC Cy5	MEC13.3	1:100	BioLegend	Cat #102502, RRID: AB_312909
CD34	CGCGGAGGAGTA Cy5	EP373Y	1:100	abcam	Cat #ab198395, RRID: AB_2889381
CD45	AACCAAAGCAGTA AF750	30-F11	1:100	BioLegend	Cat #103102, RRID: AB_312967
CD61	GAGACCATCCTACAT AF750	ERP17507	1:100	abcam	Cat #ab240214, RRID: AB_3076749
CD68	TAAAAGGCGTGC Cy3	FA-11	1:100	abcam	Cat #ab237968, RRID: AB_3086750
CD71	CGAGAGACTGAATCT AF750	RI7217	1:100	BioLegend	Cat #113802, RRID: AB_313563
CD8a	TGATTCGCTCATGTG AF750	53-6.7	1:100	BioLegend	Cat #100702, RRID: AB_312741
CD90	TAGCATTGTGTAGGT AF750	G7	1:100	BioLegend	Cat #105202, RRID: AB_313169
CXCL12	AACTGCCGG Cy5	79018	1:100	R&D systems	Cat #MAB350-100, RRID: AB_2088149
CXCL13	CTTCAAATGCCCTAT Cy5	polyclonal	1:100	Invitrogen	Cat #PA5-79106, RRID: AB_2746222
Collagen I	CTCAGGTTCCGAGTC Cy5	E8F4L	1:200	Cell Signaling Technologies	Cat #81375SF, RRID: AB_3083034
Collagen IV	GCTCTCTGACTTAGA Cy3	polyclonal	1:100	abcam	Cat #ab6586, RRID: AB_305584
Endomucin	ATGCAATCACCTGGT Cy3	V.7C7	1:50	Santa Cruz Biotechnology	Cat #sc-65495, RRID: AB_2100037
F4/80	GCCTTCGTCGTG AF750	BM8	1:100	BioLegend	Cat #123102, RRID: AB_893506
ICAM1	CGGTCAAGTTGGTT Cy5	ERP22161-284	1:100	abcam	Cat #ab222736, RRID: AB_3697845

Ly6C	GAAGTCCATAATAAGC Cy5	HK1.4	1:100	BioLegend	Cat #128002, RRID: AB_1134214
Ly6G	ATCCGTCGGGTT AF750	1A8	1:100	BioLegend	Cat #127602, RRID: AB_1089180
MadCAM1	CGACAGCAGTTTTGT Cy5	MECA-367	1:100	BioLegend	Cat #120702, RRID: AB_493393
MHCII	AACAATATTTGTTGAAAT AF750	M5/114.15.2	1:100	BioLegend	Cat #107602, RRID: AB_313317
Osteopontin	CTTAGAATATCTTAGCG Cy3	polyclonal	1:100	R&D systems	Cat #AF808, RRID: AB_2194992
Podoplanin	TATTCGGGAATAAGA Cy5	8.1.1	1:100	BioLegend	Cat #127402, RRID: AB_1089187
S100A8/9	TGACGACCACAG Cy5	RM1038	1:200	abcam	Cat #ab288578
Sca-1	TGGCATTCTGGC Cy5	D7	1:100	eBioscience	Cat #14-5981-82, RRID: AB_467778
Sodium-potassium ATPase	ACTCTCTTAAGCTAATT Cy3	EP1845Y	1:100	abcam	Cat #ab167390, RRID: AB_2890241
Ter119	ACCACTCCGGC AF750	TER-119	1:100	BioLegend	Cat #116202, RRID: AB_313703
TGFb1	ACTCTGTAATAATTTATC Cy3	ERP21143	1:50	abcam	Cat #ab229856, RRID: AB_3080868
Vimentin	TGGTGCCCG AF750	RV202	1:100	BD Biosciences	Cat #550513, RRID: AB_393716
Anti-mouse antibodies for immunofluorescence					
ANTIGEN	FLUOROCHROME	CLONE	DILUTION	SOURCE	IDENTIFIER
a-SMA	unconjugated	1A4	1:400	R&D systems	Cat #MAB1420, RRID: AB_262054
CD42a	FITC	Xia.B4	1:100	Emfret	Cat #M051-1, RRID: AB_2827529
CD61	unconjugated	ERP17507	1:500	abcam	Cat #ab179473, RRID: AB_2917988
Collagen I	unconjugated	E8F4L	1:200	Cell Signalling Technology	Cat #81375SF, RRID: AB_3083034
Endomucin	unconjugated	V.7C7	1:100	Santa Cruz Biotechnology	Cat #sc-65495, RRID: AB_2100037
Ly6G	AF700	1A8	1:100	BioLegend	Cat #127621, RRID: AB_10640452
Antibodies for ChIP sequencing					
ANTIBODY				SOURCE	IDENTIFIER
IRF8 antibody				Bethyl Laboratories	Cat #A304-027A
Rabbit IgG control				Diagenode	Cat #kch-504-250
Chemicals, peptides and recombinant proteins					
REAGENT or RESOURCE				SOURCE	IDENTIFIER
1-Thioglycerin				Sigma-Aldrich	Cat #M1753
2-Mercaptoethanol				hermo Fisher Scientific	Cat #31350010
4-Hydroxytamoxifen				Merck	Cat #H6278-10MG
Accutase				Pan Biotech	Cat #P10-21500
Anti-biotin MicroBeads				Miltenyi Biotec	Cat #130-090-485
Antibody Diluent				Zytomed Systems	Cat #ZUC025-100
Antigen unmasking solution				Vector Laboratories	Cat #H-3300-250
Ascorbic Acid				STEMCELL Technologies	Cat #72132
CD34 MicroBead Kit UltraPure, human				Miltenyi Biotec	cat# #130-100-453
CD45 MicroBeads, mouse				Miltenyi Biotec	Cat #130-052-301
Chemically Defined Lipid Concentrate				Gibco	Cat #11905031
CHIR99021				Merck	Cat #SML 1046
Chondroitin sulfate salt from shark cartilage polymers [CSC]				Sigma-Aldrich	Cat #27045
Collagen I				Corning	Cat #354236
Collagenase, Type II				Thermo Fisher Scientific	Cat #17101-015
Collagenase D				Roche	Cat #11088866001
Dispase II				Sigma-Aldrich	Cat #D4693
DMEM				Gibco	Cat #41995-039
DNase I				Worthington Biochemical Corporation	Cat #LS002139
Dynabeads Protein G				Thermo Fisher Scientific	Cat #10009D
Entkalker Soft Solvagreen				Carl Roth	Cat #6484.4
Formaldehyde solution, 37% stock				Sigma-Aldrich	Cat #1.04003
Geltrex				Gibco	Cat #15627578
GlutaMAX Supplement				Gibco	Cat #35050061
Ham's F-12 Nutrient Mix				Gibco	Cat #11765054
Hematoxylin solution, Gill No.1				Sigma-Aldrich	Cat #GHS132
Heparin sodium salt from porcine intestinal mucosa				Merck	Cat #H3149
Hexadimethrinbromid (Polybrene)				Sigma-Aldrich	Cat #TR-1003
Human holo-Transferrin				Sigma-Aldrich	Cat #T0665
Human BMP-4				Miltenyi Biotec	Cat #130-111-168
Human Collagen Type IV				Cell Systems	Cat #5022-5MG
Human FGF basic ((FGF-2/bFGF)				PreproTech	Cat #100-18B
Human Flt-3 Ligand (FLT3L) Recombinant Protein				PreproTech	Cat #300-19-250
Human M-CSF Recombinant Protein				PreproTech	Cat #300-25
Human Recombinant IL-6				STEMCELL Technologies	Cat #78050
Human SCF				Miltenyi Biotec	Cat #130-096-692
Human VEGF				Miltenyi Biotec	Cat #130-109-385
Hyper-IL6				gift from Dr. Rose-John	N/A
IMDM				Gibco	Cat #12440053
KnockOut Serum Replacement				Gibco	Cat #10828010
L-glutamine				Thermo Fisher Scientific	Cat #25030024
Lipofectamine 3000				Thermo Fisher Scientific	Cat #L3000015
Lymphocyte separation medium 1077				PromoCell	Cat #C-44010
Matrigel Basement Membrane Matrix				Corning	Cat #CLS356234

MEM Alpha Modification	Cytivia	Cat #SH30265.01
PBS pH 7.4	Thermo Fisher Scientific	Cat #AM9624
Penicillin Streptomycin	Thermo Fisher Scientific	Cat #15-1440-122
ProLong Diamond Antifade Mountant	Thermo Fisher Scientific	Cat #P36961
Proteinase inhibitor cocktail	Sigma-Aldrich	Cat #P8340
RBC lysis buffer	BD Pharm Lyse	Cat #555899
Recombinant Human EPO- $\alpha$	ImmunoTools	Cat #11344795
Recombinant Human Flt3-Ligand (Flt3L)	PreproTech	Cat #300-19
Recombinant Human IGF-1 long range	Sigma-Aldrich	Cat #I-1271
Recombinant Human IL-3	ImmunoTools	Cat #11340037
Recombinant Murine stem cell factor (SCF)	PreproTech	Cat #250-03
Recombinant Murine thrombopoietin (TPO)	PreproTech	Cat #315-14
RetroNectin	Takara Bio	Cat #T100B
RevitaCell Supplement	Gibco	Cat #A2644501
RNase A	Roche	Cat #10109142001
RPMI 1640	Thermo Fisher Scientific	Cat #31870074
STEMdiff APEL2 Medium	STEMCELL Technologies	Cat #05275
StemFlex Medium	Gibco	Cat #A3349401
StemSpan SFEM	STEMCELL Technologies	Cat #09650
Tamoxifen	Merck	Cat #T5648-1G
TransIT-LT1 Transfection Reagent	MoBiTec	Cat #MIR2300
UltraComp eBeads™ Plus Compensation Beads	Thermo Fisher Scientific	Cat #01-3333-42
UltraPure 0.5 M EDTA, pH 8.0	Thermo Fisher Scientific	Cat #15-575-020
Y-27632 dihydrochloride	abcam	Cat #ab120129
Critical commercial assays		
Applied Biosystems Fast SYBR Green Master Mix	Thermo Fisher Scientific	Cat #4385618
Avidin/Biotin Blocking Kit	Vector Laboratories	Cat #SP-2001
Chromium GEM-X Single Cell 3' Chip Kit (v4)	10x Genomics	Cat #PN-1000690
Chromium GEM-X Single Cell 3' Kit (v4)	10x Genomics	Cat #PN-1000691
Chromium Gem-X Single Cell 3' Reagent Kits (v4)	10x Genomics	Cat #PN-CG000731, Rev B
Chromium Next GEM Single Cell 3' (Dual Index) User Guide (v3.3)	10x Genomics	Cat#CG000315, Rev C
Chromium Next GEM Single Cell 3' Reagent Kits (v3.3)	10x Genomics	Cat#PN-1000268
Chromium Next GEM Chip G Single Cell Kit (v3.3)	10x Genomics	Cat#PN-1000127
DAB (3,3'-diaminobenzidine) Peroxidase (HRP) Substrate Kit, With Nickel	Vector Laboratories	Cat #SK-4100
Dual Index Kit TT Set A (v3.3)	10x Genomics	Cat#PN-1000215
Dual Index Plate TT Set A (v4)	10x Genomics	Cat #PN-3000431
High-Capacity cDNA Reverse Transcription Kit with Rnase Inhibitor	Thermo Fisher Scientific	Cat #4374966
Mouse S1000A8/S100A9 Heterodimer DuoSet ELISA	R&D Systems	Cat #DY8596-05
NucleoBond Xtra Maxi Plus 50	Takara Bio	Cat #740416.50
Reticulin Silver Plating Kit acc. To Gordon & Sweets	Sigma-Aldrich	Cat #1002510001
True-Nuclear Transcription factor Buffer Set	BioLegend	Cat #424401
VECTASTAIN ELITE ABC HRP Detection Kit	Vector Laboratories	Cat #PK-6100
Experimental models: Cell Lines		
HEK293T	ATCC	CRL-323216, RRID:CVCL_0063
Experimental Models: Organisms/Strains		
B6.Cg-Gi(ROSA)26Sortm9(CAG-tdTomato)Hze/J <i>Mus musculus</i>	The Jackson Laboratory	Strain#007909; RRID:IMSR_JAX:007909
B6.SJL-PtprcaPepcb/BoyCr1 <i>Mus musculus</i>	Charles River	Strain#564; RRID:IMSR_CRL:564
C57BL/6 <i>Mus musculus</i>	The Jackson Laboratory	Strain#000664; RRID:IMSR_JAX:000664
<i>Escherichia coli</i> DH5a Bacterial strain	New England Biolabs	Cat #C2987H
Gli1tm3(cre/ERT2)Alj/J <i>Mus musculus</i>	The Jackson Laboratory	Strain#007913; RRID:IMSR_JAX:007913
B6/J-(ICSBP)tm	Holtshcke et al., Cell, 1996	N/A
Recombinant DNA		
IRF8-ERT2 MIEG3	derived from MIEG3, PMID: 10961859, gift from Maja Milanovic and Dirk Castanjen	N/A
pMIG	William Hahn	Cat #9044, RRID: Addgene_9044
pMIG-BCR-ABL	derived from Addgene, Cat #9044	N/A
pCL-Eco (retroviral packaging)	Inder Verma	Addgene Cat #12371, RRID: Addgene_12371
pVpack-Eco (retroviral packaging)	Stratagene	Cat #217596
pV-pack-GP (retroviral packaging)	Stratagene	Cat #217566
Deposited data		
Analyzed data	This paper	
cDC2 IRF8 ChIP sequencing data	Xu et al., eLife, 2024	GSE: GSE198651
Genome Reference Consortium Mouse Build 38 patch release 6, mouse mm10	Genome Reference Consortium	GCF_000001635.20
Raw data	This paper	
Software and algorithms		
RESOURCE	SOURCE	IDENTIFIER
Augur	Github, neurorestore/Augur	<a href="https://doi.org/10.1038/s41587-020-0605-1">https://doi.org/10.1038/s41587-020-0605-1</a>

Cell Ranger (dataset 1: v7.1.0, dataset 2: v9.0.1)	10x Genomics	<a href="https://www.10xgenomics.com/support/software/cell-ranger/latest">https://www.10xgenomics.com/support/software/cell-ranger/latest</a>
CrossTalkR (v2.0)	GitHub, CostaLab/CrossTalkR	<a href="https://doi.org/10.1093/bioinformatics/btab370">https://doi.org/10.1093/bioinformatics/btab370</a>
decontX (v1.6.0)	GitHub, campbio/decontX	<a href="https://doi.org/10.1186/s13059-020-1950-6">https://doi.org/10.1186/s13059-020-1950-6</a>
decoupleR (v.2.0.6 and v2.9.7)	GitHub, Saezlab/decoupleR	<a href="https://doi.org/10.1093/bioadv/vbac016">https://doi.org/10.1093/bioadv/vbac016</a>
DoRotheA	GitHub, Saezlab/DoRotheA	<a href="https://doi.org/10.1101/gr.240663.118">https://doi.org/10.1101/gr.240663.118</a>
FlowJo 10.9.0 (FlowJo Engine version 5.0000, BD Biosciences)	Becton Dickison & Company (BD) 2006-2023	<a href="https://www.flowjo.com">https://www.flowjo.com</a>
ImageJ (v2.3.0)	ImageJ2 2010-2023	<a href="https://imagej.net">https://imagej.net</a>
Integrative Genomics Viewer (Version 2.19.7)		<a href="https://igv.org">https://igv.org</a>
matplotlib		<a href="https://matplotlib.org">https://matplotlib.org</a>
Omnipath (v3.7)		<a href="https://doi.org/10.15252/msb.20209923">https://doi.org/10.15252/msb.20209923</a>
Qupath (v0.5.0)		<a href="https://doi.org/10.1038/s41598-017-17204-5">https://doi.org/10.1038/s41598-017-17204-5</a>
R (v 4.3.2)	CRAN	<a href="https://www.R-project.org">https://www.R-project.org</a>
Seurat (v. 3.2.3 and v. 5.3.0)	GitHub, Satijalab/Seurat	<a href="https://satijalab.org/seurat/">https://satijalab.org/seurat/</a>
SCRAN (v.1.34.0)	GitHub, elswob/SCRAN	<a href="https://doi.org/doi:10.12688/f1000research.9501.2">https://doi.org/doi:10.12688/f1000research.9501.2</a>
Other		
Dako Pen	Agilent Technologies	Cat #S200230-2
Diagenode Bioruptor Microtubes	Diagenode	Cat #C30010011
LS Columns	Miltenyi Biotec	Cat #130-042-401
Sakura Tissue-Tek Cryomold Embedding Dish Biopsy 10 x 10 x 5 mm	Weckert Labortechnik	Cat #4565
Optimal cutting temperature compound (OCT)	Weckert Labortechnik	Cat #600001