

Major Resources Table

Animals (in vivo studies)

Species	Vendor or Source	Background Strain	Sex	Persistent ID / URL
Mouse	Jax Labs	C57Bl6/J	Male	https://www.jax.org/strain/000664?featured
Mouse	Jax Labs	C57Bl6/J	Female	https://www.jax.org/strain/000664?featured
Mouse	Envigo	ICR-Cd1	Male and female	https://www.envigo.com/model/hsd-icr-cd-1

Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent - Male	Mouse	Jax	C57Bl6/J	<i>Mpl KO</i>	https://www.jax.org/strain/005124
Parent - Female	Mouse	Jax	C57Bl6/J	<i>Mpl KO</i>	https://www.jax.org/strain/005124

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration
LY6C	BioLegend	128026	1 µg/ml
CD11B	BioLegend	101212	1 µg/ml
CD41	BioLegend	133915	1 µg/ml
CCR2	BioLegend	150610	1 µg/ml
CCR5	BioLegend	107016	1 µg/ml
CD45	BioLegend	103108	1 µg/ml
LY6G	BioLegend	127612	1 µg/ml
P-selectin	Fisher Scientific	BDB553744	1 µg/ml
Prostaglandin I2	Cayman Chemical	18220	5nM/ml
Anti-mouse PSGL-1	BioXcell	BE0186	20mg/kg
Anti-mouse CD18	BioXcell	BE0009	40 µg/ml
IgG	BioXcell	BP0091	10mg/kg
Mouse CCL2/JE/MCP-1 DuoSet ELISA	R&D system	DY479-05	As per instruction
Mouse CXCL1/KC DuoSet ELISA	R&D system	DY453-05	As per instruction
B2M ELISA Kit (Mouse)	Aviva Biosystem	OKEH00344	As per instruction
Human beta 2-Microglobulin Parameter Assay Kit	R&D system	KGE019	As per instruction
Recombinant Mouse CCL2/JE/MCP-1 Protein	R&D system	479-JE-050/CF	200 nM/ml
Recombinant Mouse CCL5/RANTES Protein	R&D system	478-MR-025/CF	200 nM/ml
Mouse Monocytes isolation kit	STEMCELL Technologies	19861	As per instruction
Crystal Violet	Fisher Scientific	C581-25	1%

Primer

Target gene	Vendor or Source	Catalog #	Species
<i>Ccl2</i>	Thermo Fisher	Mm00441242_m1	Mouse
<i>Ccr2</i>	Thermo Fisher	Mm99999051_gH	Mouse

Ccr5	Thermo Fisher	Mm01963251_s1	Mouse
Gapdh	Thermo Fisher	Mm99999915_g1	Mouse

ARRIVE GUIDELINES

Study Design

Groups	Sex	Age	Number (prior to experiment)	Number (after termination)	Littermates (Yes/No)	Other description
Group 1	M/F	8-10 wks	Not available	Not available	Yes	Adult platelet and monocyte donor
Group 2	M/F	P7	Not available	Not available	Yes	Neonatal platelet donor
TPOR ^{-/-}	M/F	P14	Not available	Not available	Yes	Transfusion recipient

Sample Size: Not available

Inclusion Criteria: Not applicable

Exclusion Criteria: Not applicable

Randomization: Not applicable – platelet donors and transfusion recipients must be of the appropriate age and must either be WT donors or TPOR^{-/-} transfusion recipients. Whether transfusion recipients received adult or neonatal transfusions was random.

Blinding: Not applicable – platelet donors and transfusion recipients must be of the appropriate age and must either be WT donors or TPOR^{-/-} transfusion recipients.