

Materials List for:

# A Detailed Protocol for Characterizing the Murine C1498 Cell Line and its Associated Leukemia Mouse Model

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## Materials

Name	Company	Catalog Number	Comments
C1498 cell line	ATCC	TIB 49	
C57BL/6J-Ly5.1	Charles River	B6.SJL-Ptprc a Pep3 b/BoyCrI	
<b>Cells culture reagents</b>			
2-Mercaptoethanol, Gibco	ThermoFisher Scientific	21985	
Fetal Bovine Serum (FBS)	ThermoFisher Scientific	10270	
HEPES, Gibco (1 M)	ThermoFisher Scientific	15630	
Non-Essential Amino Acids Solution, Gibco	ThermoFisher Scientific	11140	
Penicillin-Streptomycin, Gibco	ThermoFisher Scientific	15140	
RPMI 1640 Medium (Gibco, GlutaMAX Supplement)	ThermoFisher Scientific	61870	
Sodium Pyruvate, Gibco (100 mM)	ThermoFisher Scientific	11360	
<b>Flow cytometry staining reagents</b>			
anti-mouse B220 APC (1)	ebiosciences	17-0452	clone RA3-6B2, final dilution 1/100
anti-mouse B220 biotin (2)	ebiosciences	13-0452	clone RA3-6B2, 1/400
anti-mouse CD3 eFluor450 (1)	ebiosciences	48-0032	clone 17A2, 1/100
anti-mouse CD3 PE (2)	BD biosciences	555275	clone 17A2, 1/100
anti-mouse CD3 PE-Cy5 (3)	ebiosciences	15-0031	clone 145-2C11, 1/100
anti-mouse CD4 APC (1)	ebiosciences	17-0041	clone GK1.5, 1/500
anti-mouse CD4 PE (2)	ebiosciences	12-0041	clone GK1.5, 1/200
anti-mouse CD8 biotin (1)	ebiosciences	13-0081	clone 53-6.7, 1/100
anti-mouse CD8 eFluor450 (2)	ebiosciences	48-0081	clone 53-6.7, 1/500
anti-mouse CD11a biotin	ebiosciences	13-0111	clone M17/4, 1/100
anti-mouse CD11b PE	ebiosciences	12-0112	clone M1/70, 1/200
anti-mouse CD16/32 biotin	ebiosciences	13-0161	clone 93, 1/400
purified anti-mouse CD16/32 (FcR blocking)	BD biosciences	553141	clone 2.4G2
anti-mouse CD18 biotin (1)	ebiosciences	13-0181	clone M18/2, 1/100
anti-mouse CD18 FITC (2)	ebiosciences	11-0181	clone M18/2, 1/50
anti-mouse CD19 PE	ebiosciences	12-0193	clone 1D3, 1/200
anti-mouse CD21/35 PE	ebiosciences	12-0211	clone 8D9, 1/50
anti-mouse CD31 PE	ebiosciences	12-0311	clone 390, 1/100
anti-mouse CD34 eFluor660	ebiosciences	50-0341	clone RAM34, 1/20

anti-mouse CD44 PE	BD biosciences	553134	clone IM7, 1/50
anti-mouse CD45.2 FITC	ebiosciences	11-0454	clone 104, 1/100
anti-mouse CD49b/Pan NK PE	BD biosciences	553858	clone DX5, 1/50
anti-mouse CD80 biotin	ebiosciences	13-0801	clone 16-10A1, 1/200
anti-mouse CD86 biotin	ebiosciences	13-0862	clone GL1, 1/200
anti-mouse CD107b (Mac-3) PE	ebiosciences	12-5989	clone M3/84, 1/40
anti-mouse CD115 PE	ebiosciences	12-1152	clone AFS98, 1/100
anti-mouse CD117 eFluor450	ebiosciences	48-1171	clone 2B8, 1/100
anti-mouse CD127 PE	ebiosciences	12-1271	clone A7R34, 1/100
anti-mouse CD150 APC	ebiosciences	17-1501	clone 9D1, 1/20
anti-mouse CD274 (PD-L1) biotin	ebiosciences	13-5982	clone MIH5, 1/200
anti-mouse Ly-6A/E (Sca-1) PE	ebiosciences	12-5981	clone D7, 1/100
anti-mouse Ly-6C APC	ebiosciences	17-5932	clone HK1.4, 1/200
anti-mouse Ly-6G (Gr-1) biotin (1)	ebiosciences	13-5931	clone RB6-8C5, 1/400
anti-mouse Ly-6G FITC (2)	ebiosciences	11-9668	clone 1A8, 1/50
anti-mouse MHC class I (H-2Db) biotin	ebiosciences	13-5999	clone 28-14-8, 1/50
anti-mouse MHC class II (I-A/I-E) PE-Cy5	ebiosciences	15-5321	clone M5/114.15.2, 1/1000
anti-mouse NK1.1 PE	BD biosciences	557391	clone PK136, 1/50
anti-mouse TCRVb FITC	BD biosciences	553170	clone H57-597, 1/50
streptavidin PE-Cy5	ebiosciences	15-4317	1/200
Immunofluorescence staining reagents			
Anti-mouse myeloperoxidase (heavy chain antibody)	Santa Cruz Biotechnology	sc-16129	1/10 (20 µg/ml)
anti-goat IgG (Texas Red coupled antibody)	Jackson ImmunoResearch	705-076-147	1/250
Normal donkey serum	Jackson ImmunoResearch	017-000-001	
Hoechst solution	BD Biosciences	561908	1/1000
Mounting medium 1 (Fluoromount)	Sigma-Aldrich	F4680	
Acetone	VWR	20066	
Methanol	Merck Millipore	106009	
<b>Esterase cytochemical staining reagents</b>			
Naphtol AS-D chloroacetate solution	Sigma-Aldrich	911	
Dye solution (Fast Red Violet LB Base solution)	Sigma-Aldrich	912	
pH6.3 buffer concentrate (TRIZMAL)	Sigma-Aldrich	913	
Sodium nitrite solution	Sigma-Aldrich	914	
Citrate solution	Sigma-Aldrich	915	
Hematoxylin solution	Sigma-Aldrich	GHS3	
Acetone	VWR	20066	
Formaldehyde solution, 37%	Sigma-Aldrich	F1635	
α-naphthyl butyrate solution	Sigma-Aldrich	1801	
Phosphate buffer solution	Sigma-Aldrich	1805	
Sodium nitrite Tablet	Sigma-Aldrich	1809	

Pararosaniline solution	Sigma-Aldrich	1804	
Methylene blue solution	Sigma-Aldrich	1808	1/10
mounting medium 2 (Clearmount)	Invitrogen	00-8010	
<b>May-Grünwald Giemsa staining reagents</b>			
May-Grünwald solution	RAL Diagnostics	320070	
Giemsa R solution	RAL Diagnostics	320310	1/20
pH 6.8 buffer solution	RAL Diagnostics	330368	
<b>Others materials, reagents and equipment</b>			
Ketamine 1000 (100 mg/ml)	VIRBAC	3597132111010	
Xylazine SEDAXYLAN (20 mg/ml)	CEVA		
Bovin albumin serum (BSA) powder	ThermoFisher Scientific	BP671	
PBS solution (1x concentrate)	ThermoFisher Scientific	14190	
Paraformaldehyde (PFA)	Sigma-Aldrich	158127	
Saponin	Sigma-Aldrich	47036	
Ultra Pure 0.5 M EDTA solution, pH 8.0	ThermoFisher Scientific	15575	
Separating solution (Pancoll Mouse)	PANBIOTECH	P04-64100	
Lysis buffer (Red Blood Cells Lysing Buffer) (10x)	BD Biosciences	555899	1/10
NaOH 10 N	ThermoFisher Scientific	SS267	
Trypan blue solution (0.4 %)	ThermoFisher Scientific	15250-061	1/2
50 ml tube (Falcon)	Fisher Scientific	14-432-22	
70 µm Cell Strainer (Falcon)	Corning Life Sciences	352350	
Chamber & filter card (EZ Cytofunnel Shandon)	Thermo Scientific	A78710003	
Microscope Cover Glasses, 24 x 24mm	Knittel Glass	VD1 2424 Y100	
Slides (Starfrost - ground edges 90)	Knittel Glass	VS1137# 077FKB	
EDTA Tube	Greiner Bio-One	454034	
Pasteur Pipette 150 mm (capillary tube)	Fisherbrand	1154-6963	
26 G needle	Terumo	NN-2613R	
insulin syringe and needle 29 G	Terumo	BS05M2913	
30 G needle	Becton & Dickinson	304000	
Flow cytometry tubes (blue)	Beckman Coulter	2523749	
Water-repellent pen (Dakopen)	Dako	S200230	
Sharp sterile scissors	Nessi-care	SCI-01	
Sterile forceps	Dominique Dutscher	956506	
Thoma cell counting chamber	VWR	631-0397	
Petri Dishes (Fisherbrand Plastic)	ThermoFisher Scientific	S33580A	
Microcentrifuge tube (1.5 ml)	ThermoFisher Scientific	05-408-129	
Cylindrical Restrainer 15 - 30 gm	Stoelting	51338	
Shandon Cytospin 3 Cytocentrifuge	ThermoFisher Scientific		

10 ml syringe	Terumo	SS-10L	
1 ml syringe	Terumo	SS-01T	
Ethanol	Merck	1.08543	
Sterile gauze sponges	URGO	501580	