

Materials List for:

Production and Characterization of Human Macrophages from Pluripotent Stem Cells

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Materials

Name	Company	Catalog Number	Comments
2-Mercaptoethanol (50 mM)	Invitrogen	31350010	
Abtibody CD64-APC -CY7	Biolegend	305026	Dilution factor: 1:100
Antibody 25F9-EFLUOR 660	Ebioscience	15599866	Dilution factor: 1:20
Antibody CCR2-PE-Cy7	Biolegend	357212	Dilution factor: 1:100
Antibody CCR5 PE	Biolegend	313707	Dilution factor: 1:100
Antibody CCR8 PE	Biolegend	360603	Dilution factor: 1:100
Antibody CD11b-PE	Biolegend	301305	Dilution factor: 1:50
Antibody CD14-APC	Ebioscience	10669167	Dilution factor: 1:20
Antibody CD163-PE-CY7	Biolegend	333614	Dilution factor: 1:25
Antibody CD169-APC	Biolegend	346007	Dilution factor: 1:25
Antibody CD206-PE	Biolegend	321106	Dilution factor: 1:100
Antibody CD209-PE-CY7	Biolegend	3310114	Dilution factor: 1:100
Antibody CD274-PE-CY7	Biolegend	329718	Dilution factor: 1:100
Antibody CD43-PE	Ebioscience	10854419	Dilution factor: 1:100
Antibody CD45-APC	Ebioscience	15577936	Dilution factor: 1:20
Antibody CD86-APC	Biolegend	305412	Dilution factor: 1:100
Antibody CD93-PE	Ebioscience	10804637	Dilution factor: 1:100
Antibody CX3CR1-PE	Biolegend	307650	Dilution factor: 1:100
Antibody HLA-DR-BV650	Biolegend	307650	Dilution factor: 1:100
Antibody CD115-PE	Biolegend	347308	Dilution factor: 1:40
Cell Dissociation Buffer, enzyme free	ThermoFisher	13151014	
Cell Dissociation Buffer, enzyme-free, PBS	Gibco	13151014	
CellCarrier-96 Ultra Microplates, tissue culture treated, black, 96-well	PerkinElmer	6055302	
CellMask Deep Red Plasma Membrane Stain	ThermoFisher	C10046	Cryopreservation media
Cryostor CS10	Sigma	C2874	
CTS CELLstart Substrate	Invitrogen	A1014201	Stem cell substrate
DAPI	Merck	D9542-1MG	Final concentration 1 µg/mL
DPBS, calcium, magnesium (500ml)	ThermoFisher	14040091	

FcR Blocking Reagent, human	MACS Miltenyi Biotec	130-059-901	
FGF-Basic (AA 10-155) Recombinant Human Protein	Thermofisher	PHG0021	
GlutaMAX Supplement	Thermofisher	35050061	
Human Recombinant IFN γ	Thermofisher	14-8319-80	
Human Serum Albumin	Irvine Scientific	9988	
Lipopolysaccharide (LPS) from E. Coli	Sigma	L2630	
NucBlue (Hoechst33342)	Thermofisher	R37605	
pHrodo Green Zymosan Bioparticles Conjugate for Phagocytosis	Thermofisher	P35365	
Porcine Skin Gelatin	Sigma	G9136	
Recombinant Human BMP4 Protein	R&D	314-BP-010	
Recombinant Human IL10	Preprotech	200-10	
Recombinant Human IL3	Preprotech	200-03-10	
Recombinant Human IL4	Preprotech	200-04	
Recombinant Human MCSF (carrier-free) 100ug	Biolegend	574806	
Recombinant Human VEGF Protein	R&D	293-VE-010	
Rock Inhibitor Y-27632	Merck	SCM075	
SCF (C-Kit Ligand) Recombinant Human Protein	Thermofisher	PHC2111	
StemPro hESC SFM	Thermofisher	A1000701	
StemPro EZPassage Disposable Stem Cell Passaging Tool	Thermofisher	23181010	
Ultralow attachment plates: Cell culture multi-well plate, 6 well, cell star cell repellent surface	Greiner	657970	
UltraPure 0.5 M EDTA, pH 8.0	Invitrogen	15575020	
X-Vivo 15 500 mL bottle	Lonza	BE02-060F	