

Materials List for:

Generation and Identification of GM-CSF Derived Alveolar-like Macrophages and Dendritic Cells From Mouse Bone Marrow

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Materials

Name	Company	Catalog Number	Comments
Flow Cytometer	BD	LSR-II	
Automated Inverted Microscope	Leica	DMI4000 B	
Centrifuge	Thermo Fisher	ST-40R	
Biosafety Cabinet	Nuaire	NU-425-600	
Syringe 1 ml	BD	309659	
26 1/2 Gauge Needle	BD	305111	
50 ml Conical Tube	Corning	357070	*Falcon brand
Eppendorf tubes (1.5 ml)	Corning	MCT-150-C	
5 ml polystyrene round bottomed tubes	Corning	352052	
Dissection Tools	Fine Science Tools	*Various	*Dissection scissors, dumont forcep and standard forcep
Hemocytometer	Reichert	1490	
Sterile 100 mm x 15 mm Petri Dish	Corning	351029	*Falcon brand
2-Mercaptoethanol	Thermo Fisher	21985-023	
Ammonium Chloride	BDH	BDH0208-500G	
Bovine Serum Albumin	Fisher Bioreagents	BP1600-1	
Brefeldin A	Sigma	B7651-5MG	
EDTA	Sigma	E5134-1KG	Ethylenediaminetetraacetic acid
Fetal Bovine Serum	Thermo Fisher	16000-044	
Hank's Balanced Salt Solution	Thermo Fisher	14175-095	
HEPES	Thermo Fisher	15630-080	4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid
L-Glutamine	Sigma	G8540-100G	
LPS Ultrapure	Invivogen	tlrl-3pelps	
MEM Non-Essential Amino Acids Solution	Thermo Fisher	11140-050	
Penicillin/Streptomycin 100x	Thermo Fisher	15140-122	
Potassium Phosphate Monobasic	BDH	BDH0268-500G	
Potassium Chloride	BDH	BDH9258-500G	
Recombinant GM-CSF	Peptotech	315-03-A	
Rooster Comb Sodium Hyaluronate	Sigma	H5388-1G	*Used to make fluoresceinated hyaluronan
RPMI-1640	Thermo Fisher	21870-076	No sodium pyruvate no glutamine. Warm media to 37 °C before using.
Sodium Chloride	Fisher	5271-10	

Sodium Phosphate Dibasic	Sigma	50876-1Kg	
Sodium Pyruvate	Sigma	P5290-100G	
Tris(hydroxymethyl)aminomethane	Fisher Bioreagents	BP152-5	
Trypan Blue	Sigma	T8154	
Anti-Fc Receptor (unlabeled), Tissue Culture Supernatant	N/A	N/A	Clone: 2.4G2
Anti-CD11c PeCy7	eBioscience	25-0114-82	Clone: N418
Anti-Gr-1 efluor450	eBioscience	48-5931-82	Clone: RB6-8C5
Anti-MHCII APC	eBioscience	17-5321-82	Clone: M5/114.15.2
Biotinylated Anti-MerTK	Abcam	BAF591	Goat polyclonal IgG
Streptavidin PE	eBioscience	12-4317-87	
Propidium Iodide	Sigma	P4170-25MG	
DAPI (4',6-diamidino-2- phenylindole)	Sigma	D9542-5MG	