

Materials List for:

***In Vitro* Differentiation of Mouse Granulocyte-macrophage-colony-stimulating Factor (GM-CSF)-producing T Helper (T_HGM) Cells**

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Materials

Name	Company	Catalog Number	Comments
RPMI 1640	Biowest	L0500-500	
FBS Heat Inactivated	Capricorn	FBS-HI-12A	
Penicillin-Streptomycin	Gibco	15140122	
10x PBS	1st Base	BUF-2040-10	Diluted to 1x PBS in sterile water
EDTA	1st Base	BUF-1053-100ml-pH8.0	
10x ACK buffer	Biolegend	420301	diluted in sterile water
Cell strainer	SPL Life Sciences	93070	
CD4 microbeads	Miltenyi Biotec	130-049-201	
2-Mercaptoethanol	Sigma	M7522	
LS column	Miltenyi Biotec	130-042-401	
magnetic stand	Miltenyi Biotec	130-042-303	
1 mL syringe	Terumo	SS+01T	
Centrifuge	Eppendorf	Eppendorf 5810R	
Sony SY3200 cell sorter	Sony	Sony SY3200 cell sorter	
50 mL conical centrifuge tube	Greiner Bio-One	210261	
15 mL conical centrifuge tube	Greiner Bio-One	188271	
FACS tube	Corning	352054	
24 well cell culture plate	Greiner Bio-One	662160	
anti-mouse CD4 PerCP-eFluor 710	eBioscience	46-0041-82	
PE conjugated anti-mouse CD25 (IL-2Ra, p55)	eBioscience	12-0251-82	
anti-human/mouse CD44 APC	eBioscience	17-0441-82	
anti-mouse CD62L FITC	eBioscience	11-0621-85	
Neubauer-improved counting chamber	Marienfeld	640010	
Hyclone Trypan Blue Solution	GE healthcare Life Sciences	SV30084.01	
microscope	Nikon	Nikon Elipse TS100	
Purified anti-mouse CD3e antibody	Biolegend	100314	
Purified hamster anti-mouse CD28	BD Biosciences	553295	
Purified Rat anti-mouse IFN γ	eBioscience	16-7312-85	
Purified anti-mouse IL-4 Antibody	Biolegend	504102	
Recombinant Mouse IL-7 Protein	R&D system	407-ML	
recombinant human TGF-beta	R&D system	240-B-010	

PMA	Merck Millipore	19-144	
Ionomycin	Sigma	I0634	
GolgiPlug protein transport inhibitor	BD Biosciences	51-2301KZ	
Intracellular Fixation&Permeabilization buffer set	eBioscience	88-8824-00	
anti-mouse GM-CSF PE	eBioscience	12-7331-82	
FITC anti-mouse IL-17A	Biolegend	506908	
APC anti-mouse IFN-gamma	Biolegend	505810	
GO Taq qPCR master mix	Promega	A6002	
mouse GM-CSF ELISA Ready-SET-Go!	invitrogen	88-7334-88	
Mouse IL-17A Uncoupled ELISA	invitrogen	88-7371-22	