

Materials List for:

Generation of Immature, Mature and Tolerogenic Dendritic Cells with Differing Metabolic Phenotypes

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Materials

Name	Company	Catalog Number	Comments
Ficoll	GE Healthcare	17-1440-03	PBMC isolation
Syringe	Becton, Dickinson	302832	PBMC isolation
1.5 ml centrifuge tube	Axygen	MCT-150-C	PBMC isolation
15 ml falcon tube	Falcon	352096	PBMC isolation
50 ml falcon tube	Falcon	352070	PBMC isolation
Centrifuge	Eppendorf	5810R	PBMC isolation
0.2 µm filter	Sartorius stedim biotech	17597	PBMC isolation
MACs kit	Miltenyi biotec	130-042-201	Monocyte enrichment
MiniMACS Separator	Miltenyi biotec	130-042-102	Monocyte enrichment
Cell culture grade water	Invitrogen, Life Technologies		Cell culture
RPMI	Gibco, Life Technologies	11875-093	Cell culture
FBS	Hyclone	SH30070103	Cell culture
Penicillin-streptomycin	Gibco, Life Technologies	15140	Cell culture
Phosphate Buffered Saline	Gibco, Life Technologies	10010-031	Cell culture
NEAA	Gibco, Life Technologies	11140-040	Cell culture
EDTA	Gibco, Life Technologies	15575	Cell culture
HEPES	Gibco, Life Technologies	15630-080	Cell culture
Sodium Pyruvate	Gibco, Life Technologies	11360-070	Cell culture
GM-CSF	Miltenyi biotec	130-093-868	Cell culture
IL-4	Miltenyi biotec	130-093-924	Cell culture
Vitamin D3	Sigma	D1530	Cell culture
Dexamethasone	Sigma	D2915	Cell culture
LPS	Sigma	I2755	Cell culture
trypan blue	Gibco, Life Technologies	15250-061	Cell culture
PerCP-conjugated HLADR	BioLegend	307628	Cytometry
PE-conjugated CD80	BD Biosciences	557227	Cytometry
PE-conjugated CD83	BD Biosciences	556855	Cytometry
PE-conjugated CD86	BD Biosciences	555665	Cytometry
APC-conjugated CD11c	BD Biosciences	340544	Cytometry
PE-conjugated CD14	Miltenyi biotec	130-091-242	Cytometry
PE-conjugated BDCA3	Miltenyi biotec	130-090-514	Cytometry
APC-conjugated ILT3	eBioscience	12-5139-73	Cytometry

Isotype matched PerCP- conjugated Mab	BioLegend	400250	Cytometry
Isotype matched PE- conjugated Mab	Miltenyi biotec	130-091-835	Cytometry
Isotype matched APC- conjugated Mab	Miltenyi biotec	130-091-836	Cytometry
BD LSR II Flow Cytometer	BD Pharmingen	BD LSR II	Cytometry
cytofix/cytoperm	BD Biosciences	554714	Cytometry
APC/CY7-conjugated CD25	BD pharmingen	557753	Cytometry
PE/CY7-conjugated CD4	Biolegend	300512	Cytometry
PerCP-conjugated CD3	Biolegend	300428	Cytometry
EasySep Human CD4+ T cell enrichment kit	STEMCELL Technologies	19052	Alloreaction study
EasySep magnet	STEMCELL Technologies	18000	Alloreaction study
Cell Trace CFSE cell proliferation kit	Molecular probes	C34554	Alloreaction study
HBSS	Gibco, Life Technologies	14025092	Alloreaction study
Alexa Fluor 647-conjugated FoxP3	BD Biosciences	560889	
Milliplex MAP Human Cytokine/Chemokine magnetic bead panel	Millipore	HCYTOMAG-60K	Cytokine analysis
5 ml Polystyrene tube	Falcon	352058	Cytokine analysis
Luminex Sheath Fluid	Millipore	SHEATHFLUID	Cytokine analysis
FLEXMAP 3D system with xPONENT software	Luminex Corporation	FLEXMAP 3D	Cytokine analysis
MitoTracker Red CMXRos	Cell Signalling	9082	Mitochondrial activity
DMSO	Sigma Aldrich	D2650	Mitochondrial activity
XF Assay Medium (OCR)	Seahorse Bioscience	102352-000	Metabolic adaptation
Glucose	Sigma Aldrich	G8769	Metabolic adaptation
XF Base Medium (ECAR)	Seahorse Bioscience	102353-100	Metabolic adaptation
L-glutamine	Gibco, Life Technologies	25030-081	Metabolic adaptation
Calibrant	Seahorse Bioscience	100840-000	Metabolic adaptation
XF Cell Mito Stress kit	Seahorse Bioscience	103015-100	Metabolic adaptation
XF Glycolysis Stress kit	Seahorse Bioscience	103020-100	Metabolic adaptation
Seahorse	Seahorse Bioscience	XFe96	Metabolic adaptation