

Materials List for:

Isolation of Myeloid Dendritic Cells and Epithelial Cells from Human Thymus

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Materials

Name	Company	Catalog Number	Comments
Reagents and Materials			
RPMI 1640	PAA	E15-842	
Dulbecco's PBS	PAA	H15-002	
Fetal Bovine Serum-Gold	PAA	A15-151	
Bovine Serum Albumin	PAA	K41-001	
Collagenase A	Roche	10 103 586 001	
DNase I, grade II bovine pancreatic	Roche	10 104 159 001	
Trypsin-EDTA 10x in PBS	PAA	L11-001	stock conc. 20 mg/ml
Alexa Fluor 488 Protein Labelling kit	Molecular Probes	A-10235	
anti-human CDR2 (purified)	Bruno Kyewski, DKFZ- Heidelberg, Germany		labeled with Alexa Fluor 488
anti-human CD45 (Pacific Blue)	Biolegend	304022	
anti-human EpCAM (APC)	Miltenyi Biotec	130-091-254	
anti-human CD11c (PE)	Miltenyi Biotec	130-092-411	
anti-PE Microbeads	Miltenyi Biotec	130-048-801	
anti-CD45 Microbeads, human	Miltenyi Biotec	130-045-801	
LS columns	Miltenyi Biotec	130-042-401	
gentleMACS C Tubes	Miltenyi Biotec	130-093-237	for tissue dissociator
Percoll (density 1.130 g/ml)	GE Healthcare, Life Sciences	17-0891-01	
Sterile distilled Water (DNase/RNase free)	GIBCO	10977-035	
Gamunex 10%	Tajecris-Biotherapeutics	G120052	1:10 pre-dilution, use 20 µl/1 x 10 ⁶ cells
0.22 µm filter	Millex GS	SLGS033SS	Syringe driven
Stericup filter unit	Millipore	SCGPU05RE	Pump driven
50 ml PC oak ridge centrifuge tubes	Nalgene	3118-0050	50 ml
50 ml PP conical tubes	Becton Dickinson	352070	
12 mm x 75 mm 5 ml test tubes	Becton Dickinson	352058	FACS stainings
Cell strainer 70 µm	Becton Dickinson	352350	
INSTRUMENTS			
Flow Cytometer-Sorter (BD FACSAriaTMIIu)	Becton Dickinson		

Sorvall Evolution R6 (rotor)	Kendro		
Rotator REAX 2	Heidolph		
gentleMACS Dissociator	Miltenyi Biotec	130-093 235	tissue dissociator