

Materials List for:

Measuring the Immunosuppressive Activity of Human Mesenchymal Stem Cells *in vitro*

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Materials

Name	Company	Catalog Number	Comments
Human Mesenchymal Stem Cells	AlICells, LLC		
MEM Alpha 1X (α-MEM)	Gibco/Life Technologies	12561-056	
Fetal Bovine Serum	JM Bioscience		
Penicillin/streptomycin	Gibco/Life Technologies	15070-063	
L-Glutamine (200 mM)	Life Technologies	11875093	
Trypsin/EDTA	Lonza	CC-3232	
HBSS	Gibco/Life Technologies	14175-095	
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D2650-100ML	
Peripheral Blood Mononuclear Cells	AlICells, LLC	PB003F	
RPMI 1640 (1X) + GlutaMAX	Gibco/Life Technologies	72400-047	
T Cell Activating Beads (Human)	Life Technologies	111.31D	
Anti-CD4-PECy5 (Human)	BD Biosciences	555348	
Anti-CD8-APC (Human)	BD Biosciences	555369	
Anti-CD25-V450 (Human)	BD Biosciences	560335	
Anti-CD69-PECy7 (Human)	BD Biosciences	557745	
Anti-CD44-PE (Human)	BD Biosciences	561858	
Anti-TNFα-PE (Human)	BD Biosciences	559321	
Anti-IFNγ-PECy7 (Human)	BD Biosciences	557643	
Formalin (10%, Buffered)	Sigma-Aldrich	HT5012-60ML	
Brefeldin A (GolgiPlug)	BD Biosciences	555029	
Cytofix/Cytoperm Kit	BD Biosciences	554714	
IGRP Peptide	FDA CBER core facility	N/A	
CellTrace™ CFSE Cell Proliferation Kit, for flow cytometry	Life Technologies	C34554	
Anti-CD4 FITC (Mouse)	BD Biosciences	553729	
Anti-CD8α-APC (Mouse)	BD Biosciences	553031	
Anti-CD25-PECy5 (Mouse)	eBioscience	15-0251-82	
Anti-CD44-PE (Mouse)	eBioscience	12-0441-82	
Anti-CD62L-eFluor 450	eBioscience	48-0621-82	
Anti-Vβ4 TCR-FITC (Mouse)	BD Biosciences	553365	
Anti-Vβ4 TCR-PE (Mouse)	BD Biosciences	553366	

NOD.Cg-Tg(TcraTcrbNY8.3)1Pesa/DvsJ (TCR transgenic mice)	The Jackson Laboratory	005868	
NOD/ShiLtJ (Control mice)	The Jackson Laboratory	001976	
ACK Lysis Buffer	Gibco/Life Technologies	A10492-01	
EasySep Mouse CD8+ T Cell Isolation Kit	Stemcell Technologies	19853RF	