

Materials List for:

An Optimized Method for Isolating and Expanding Invariant Natural Killer T Cells from Mouse Spleen

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Materials

Name	Company	Catalog Number	Comments
Material			
recombinant murine IL-2	eBiosciences	14-8021	
recombinant murine IL-12	eBiosciences	39-8122-65	
recombinant murine IL-7	eBiosciences	14-8071	
purified anti-mouse CD3e (145-2C11)	eBiosciences	16-0032-86	
purified anti-mouse CD28 (37.51)	eBiosciences	16-0281-85	
e450-conjugated anti-mouse CD19 (eBio1D3)	eBiosciences	48-0193-82	
e450-conjugated anti-mouse CD8α (53-6.7)	eBiosciences	48-0081-82	
FITC-conjugated anti-mouse CD5 (53-7.3)	eBiosciences	11-0051-81	
V500-conjugated anti-mouse CD3ε (500A2)	BD biosciences	560771	
anti-mouse CD5 (Ly-1) microbeads	Macs Miltenyi Biotec	130-049-301	
purified anti-mouse CD16/32 (2.4G2)	Macs Miltenyi Biotec	130-092-575	
MACS MS Columns	Macs Miltenyi Biotec	130-042-201	
Trypan Blue, 0.4% (wt/vol)	Gibco	15250-061	
RPMI 1640 medium	Gibco	12633-020	
1x PBS	Gibco	10010-056	[Ca ²⁺ /Mg ²⁺ - free]
Fetal calf serum	Gibco	10270	
L-Glutamine	Gibco	25030-123	
Penicillin-streptomycin	Sigma-Aldrich	P4458-100ML	
Bovine serum albumin	Sigma-Aldrich	A7906-100MG	
β-Mercaptoethanol	Sigma-Aldrich	M3148	
Ethylenediaminetetraacetic acid	Sigma-Aldrich	EDS-1KG	
Ficoll-Paque plus	GE Healthcare	71-7167-00 AF	
Equipment			
96-well plate F-bottom	Greiner-bio one	657-160	
24-well plate	Greiner-bio one	665-180	
6-well plate	Greiner-bio one	655-180	
15 ml falcon tube	Greiner-bio one	188-271	
50 ml falcon tube	Greiner-bio one	227-261	

70 µm filter	Greiner-bio one	542-070	
30 µm filter	Millipore	SVGP01050	
MiniMACS separator	Macs Miltenyi Biotec	130-042-102	
MS Columns	Macs Miltenyi Biotec	130-042-201	
Water-jacketed CO2 incubator	VWR		
Hemocytometer	VWR		
Dissection Kit	VWR		
BD FACSAria III	BD Biosciences		