

Materials List for

# Purification and Expansion of Mouse Invariant Natural Killer T Cells for in vitro and in vivo Studies

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jove.com/video/62214

## Materials

Name	Company	Catalog Number	Comments
Ammonium-Chloride-Potassium (ACK) solution	in house		0.15M NH4Cl, 10mM KHCO3, 0.1mM EDTA, pH 7.2-7.4
anti-FITC Microbeads	Miltenyi Biotec	130-048-701	
anti-PE Microbeads	Miltenyi Biotec	130-048-801	
Brefeldin A	Sigma	B6542	
CD19 -FITC	Biologend	115506	clone 6D5
CD1d-tetramer -PE	NIH tetramer core facility		mouse PBS57-Cd1d-tetramers
CD4 -PeCy7	Biologend	100528	clone RM4-5
Fc blocker	BD Bioscience	553142	
Fetal Bovine Serum (FBS)	Euroclone	ECS0186L	heat-inactivated and filtered .22 before use
FOXP3 Transcription factor staining buffer	eBioscience	00-5523-00	
H2 (IAb) -FITC	Biologend	114406	clone AF6-120.1
hrIL-2	Chiron Corp		
Ionomycin	Sigma	I0634	
LD Columns	Miltenyi Biotec	130-042-901	
LS Columns	Miltenyi Biotec	130-042-401	
MACS buffer (MB)	in house		0.5% Bovine Serum Albumin (BSA; Sigma-Aldrich) and 2Mm EDTA
MS Columns	Miltenyi Biotec	130-042-201	
Non-essential amino acids	Gibco	11140-035	
Penicillin and streptomycin (Pen-Strep)	Lonza	15140-122	
PermWash	BD Bioscience	51-2091KZ	
PFA	Sigma	P6148	
Phosphate buffered saline (PBS)	EuroClone	ECB4004L	
PMA	Sigma	P1585	

Pre-Separation Filters (30 $\mu$ m)	Miltenyi Biotec	130-041-407	
Recombinat Mouse IL-7	R&D System	407-ML-025	
RPMI 1640 with glutamax	Gibco	61870-010	
sodium pyruvate	Gibco	11360-039	
TCR $\beta$ -APC	Biologend	109212	clone H57-597
$\alpha$ CD3CD28 mouse T activator Dynabeads	Gibco	11452D	
$\beta$ -mercaptoethanol	Gibco	31350010	