

Materials List for:

Isolation and Th17 Differentiation of Naïve CD4 T Lymphocytes

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URL: <https://www.jove.com/video/50765>

DOI: [doi:10.3791/50765](https://doi.org/10.3791/50765)

Materials

Name	Company	Catalog Number	Comments
Reagent/Material			
Sterile Polystyrene Petri Dish	Fisher Scientific	0875713A	60 mm x 15 mm
autoMACS Running Buffer	Miltenyi Biotec	130-091-221	
Premium Microscope Slides, Frosted	Fisher Scientific	12-544-3	3" x 1"1 mm
5 ml 21G1 Latex Free Syringe and Needle	BD Biosciences	309632	
Corning 15 ml Centrifuge Tubes	Sigma-Aldrich	CLS430791	
Nylon 40 microns	Miami Aquaculture	Nylon 40/26	
Microtest tissue culture plate 96 well U bottom	BD Biosciences	35-3077	
Corning Costar 24 well cell culture plates	Sigma-Aldrich	CL3524	
Eppendorf Tubes 1.5 ml	Fisher Scientific	05-408-129	
Purified NA/LE Hamster Anti-Mouse CD3e	BD Biosciences	553057	
Purified NA/LE Hamster Anti-Mouse CD28	BD Biosciences	553294	
Mouse IL-6 Recombinant Protein	eBioscience	14-8061-62	
TGFbeta	R&D Systems	240-B-002	
Trypan blue solution 0.4 %	Sigma-Aldrich	66H2364	
Pac Blue Rat Anti-Mouse CD4	BD Biosciences	558107	
APC Rat Anti-Mouse CD8a	BD Biosciences	553035	
PE Conjugated Anti-mouse CD25	eBioscience	E01155-516	
Alexa Fluor 700 Rat Anti-mouse IL-17	BD Biosciences	560820	
Intracellular Cytokine Staining Starter Kit-Mouse	BD Biosciences	51-2041AK (559311)	
MACS CD4+CD25+ regulatory T cell isolation kit, mouse	Miltenyi Biotec	130-091-221	
ABAM	Cellgro	30-004-CI	
RPMI	Corning, Cellgro	10-040-CM	
B 2-Mercapt-ethanol	MP Biomedical	194834	Hazardous
Phorbol 12-Myristate 13-Acetate (PMA)			
Ionomycin Calcium Salt	Sigma-Aldrich	13909-1ML	Hazardous
Brefeldin A (BFA)	MP Biomedicals	159027	

ELISA IL-17A Capture mAb	BD Biosciences	555068	
ELISA IL-17A Detection mAb	BD Biosciences	555067	
ELISA IL-17A Standard	eBioscience	14-8171-80	
IL-2 ELISA Kit	BD Biosciences	555148	
TMB Substrate Reagent Set	BD Biosciences	555214	
Equipment			
autoMACS Pro Cell Separator	Miltenyi Biotec	130-092-545	
Sorvall Legend RT+ Centrifuge	ThermoScientific		
Napco series 8000 WJ CO2 Incubator	ThermoScientific		
PTC-200 Peltier Thermal Cycler	Biorad		