

Materials List for:

Preparation of CD4⁺ T Cells for Analysis of GD3 and GD2 Ganglioside Membrane Expression by Microscopy

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URL: <https://www.jove.com/video/54569>

DOI: [doi:10.3791/54569](https://doi.org/10.3791/54569)

Materials

Name	Company	Catalog Number	Comments
Advanced RPMI 1640	Thermo Fisher Scientific	12633-012	Supplemented with 3% FBS
mouse anti human CD3 antibody	eBioscience	16-0037-81	OKT3 clone
mouse anti human CD28 antibody	ebioscience	16-0288-81	CD28.6 clone
mouse anti human GD3 antibody	Abcam	ab11779	R24 clone
mouse anti human GD2 antibody	Santa Cruz Biotechnology	sc-53831	14G2a clone
FITC-conjugated anti-mouse IgG3 antibody	Abcam	ab97259	
Alexa Fluor 488 conjugated antimouse	Thermo Fisher Scientific	A-21131	
IgG2a antibody			
Alexa Fluor 647 conjugated antimouse	Thermo Fisher Scientific	A-21241	
IgG2a antibody			
Hoechst 333258	Sigma-Aldrich	861405	
Ficoll Paque-Plus	GE	17-1440-02	
Trizol Reagent	Invitrogen	15596-026	
Naive CD4 ⁺ T Cell Isolation Kit II, human	MACS Miltenyi Biotec	130-094-131	
BD FACSAria II	BD Biosciences		Sorting
Nunc Lab-tek chamber slide system	Sigma-Aldrich	C7182	
Olympus FV 1000 Laser Confocal Microscope (Olympus)	Olympus		Upright BX61WI and IX81
Forward sequence primer GD3 synthase	5'- GAGCGTTCAGGAAACAAATGG- 3'		Ref. 7
Reverse sequence primer GD3 synthase	5'- CCTGTGGGAAGAGAGAGTAAG-3'		Ref. 7
Forward sequence primer GM2/GD2 synthase	5'- CAACACAGCAGACACAGTCC-3'		Ref. 7
Reverse sequence primer GM2/GD2 synthase	5'- GTGGCAATCGTACTAGAGC-3'		Ref. 7