

Materials List for:

Measurement of T Cell Alloreactivity Using Imaging Flow Cytometry

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Materials

Name	Company	Catalog Number	Comments
Phosphate-buffered saline	Various	Varies	
Ethylenediaminetetraacetic acid, 0.5 M solution	Thermo Fisher Scientific	AM9260G	
Triton X-100 nonionic detergent	Sigma-Aldrich	X100	
Beta-mercaptoethanol	Sigma-Aldrich	M3148	
Dimethyl sulfoxide	Sigma-Aldrich	D8418	
Formaldehyde	Sigma-Aldrich	F1635	Solution is 37% formaldehyde and so must be diluted 25 times for 1.5% solution
Cell strainers, 70 µm pore size	Fisher Scientific	08-771-2	
Phalloidin-fluorescein isothiocyanate	Sigma-Aldrich	P5282	
7-aminoactinomycin D	Thermo Fisher Scientific	A1310	Reconstitute in DMSO
Allophycocyanin-conjugated anti-mouse CD90.2	eBioscience	17-0902	
Pacific blue-conjugated anti-mouse CD11b	eBioscience	48-0112	Pacific blue has been replaced by eFluor 450
Biotinylated anti-mouse CD3	eBioscience	13-0032	
Biotinylated anti-mouse MHC class II	eBioscience	13-5321	
Biotinylated anti-mouse B220	eBioscience	13-0452	
Biotinylated anti-mouse CD8	eBioscience	13-0081	
Biotinylated anti-mouse CD19	eBioscience	13-0193	
Anti-biotin microbeads	Miltenyi Biotec	130-090-485	
LS columns	Miltenyi Biotec	130-042-401	
MidiMACS magnetic cell separator	Miltenyi Biotec	130-042-302	
recombinant mouse GM-CSF	Peprtech	315-03	
recombinant human TGFβ1	Peprtech	100-21	Human TGFβ1 has activity on mouse cells
Amnis ImageStream X Mark II	Amnis/EMD Millipore	N/A	Imaging flow cytometer; details available at http://www.emdmillipore.com/
IDEAS Software	Amnis/EMD Millipore	N/A	Free download (registration required): https://www.amnis.com/index.php/page/Display/login%20%20

Cell culture medium	Various	Varies	
Fetal bovine serum	Various	Varies	
Cell culture plates	Various	Varies	