

Materials List for:

Enrich and Expand Rare Antigen-specific T Cells with Magnetic Nanoparticles

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Materials

Name	Company	Catalog Number	Comments
DimerX I: Recombinant Soluble Dimeric Human HLA-A2:Ig Fusion Protein	BD Biosciences	551263	
DimerX I: Recombinant Soluble Dimeric Mouse H-2D[b]:Ig	BD Biosciences	551323	
DimerX I: Recombinant Soluble Dimeric Mouse H-2K[b]:Ig Fusion Protein	BD Biosciences	550750	
Vivaspin 20 MWCO 50 000	GE Life Sciences	28932362	
Vivaspin 2 MWCO 50 000	GE Life Sciences	28932257	
Purified Human Beta 2 Microglobulin	Bio-Rad	PHP135	
nanomag-D-spio, NH2, 100 nm nanoparticles	Micromod	79-01-102	
Super Mag NHS Activated Beads, 0.2 µm	Ocean Nanotech	SN0200	
Anti-Biotin MicroBeads UltraPure	Miltenyi	130-105-637	
EZ-Link NHS-Biotin	ThermoFisher	20217	
Sulfo-SMCC Crosslinker	ProteoChem	c1109-100mg	
2-Iminothiolane hydrochloride	Sigma-Aldrich	I6256 Sigma	
96 Well Half-Area Microplate, black polystyrene	Corning	3875	
FITC Rat Anti-Mouse Ig, λ1, λ2, & λ3 Light Chain Clone R26-46	BD Biosciences	553434	
FITC Mouse Anti-Armenian and Syrian Hamster IgG Clone G192-1	BD Biosciences	554026	
B6.Cg-Thy1a/Cy Tg(Tcrb)8Rest/J (transgenic PMEL) mice	Jackson Laboratory	005023	
C57BL/6J (B6 wildtype) mice	Jackson Laboratory	000664	
CD8a+ T Cell Isolation Kit, Mouse	Miltenyi	130-104-075	
MS Columns	Miltenyi	130-042-201	
LS Columns	Miltenyi	130-042-401	
Streptavidin-Phycoerythrin, SAV-PE	Biolegend	405203	
N52 disk magnets of 0.75 inches	K&J Magnetics	DX8C-N52	

APC anti-mouse CD8a Antibody, clone 53-6.7	Biolegend	100711	
LIVE/DEAD Fixable Green Dead Cell Stain Kit, for 488 nm excitation	ThermoFisher	L-34969	