

Materials List for

Assessing T-cell Receptor-Induced Calcium Influx Using a Calcium Indicator Dye

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URL: <https://www.jove.com/video/22131>

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Materials

Name	Company	Catalog Number	Comments
12 well TC treated plates	Cell Treat	229111	
50 mL conical	Greiner Bio1	41-12-17-03	50 mL Polypropylene centrifuge tubes with cap
5mL polysterene flow tubes	Corning	352052	
5mL syringe	BD syringe	309646	plunger only is used sheith is discarded
70uM filter	Greiner bio1	542070	
aCD3 (17A2)	Biolegend	100202	
AKC lysis Buffer	Gibco	A1049201	
Aurora Spectral Flowcytometer	https://cytekbio.com/pages/aurora		
Bath Beads	coleparmer	Item # UX-06274-52	
CD19 PE	Tonbo	50-0193-U100	
CD1d Tetramer APC	NIH		
CD25 PECy7	ebioscience	15-0251	
CD4 APC Cy7	Tonbo	25-0042-U100	
CD8a FITC	ebioscience	11-0081-85	
Cell Incubator	Formal Scientific		
Dissection Tools forceps	McKesson	#487593	Tissue Forceps McKesson Adson 4-3/4 Inch Length Office Grade Stainless Steel NonSterile NonLocking Thumb Handle 1 X 2 Teeth
Dissection Tools Scissors	McKesson	#970135	Operating Scissors McKesson Argent™ 4-1/2 Inch Surgical Grade Stainless Steel Finger Ring Handle Straight Sharp Tip / Sharp Tip
DPBS 1x	Gibco	14190-136	DPBS
EGTA	Fisher	NC1280093	
FBS	Hyclond	SH30071.03	lot AE29165301
FlowJo Software	https://www.flowjo.com/		
Indo1-AM Ester Dye	ebioscience	65-085-39	Calcium Loading Dye
Ionomycin	Millipore	407951-1mg	
Live/Dead Ghost 540	Tonbo	13-0879-T100	
Microcentrifuge tubes 1.7mL	Light Labs	A-7001	
Penicillin/Streptomycin/L-Glutamine	Gibco	10378-016	
PRN694	Med Chem Express	Hy-12688	
Purified Anti-Mouse CD16/CD32 (FC Shield) (2.4G2)	Tonbo	70-0161-M001	FC Block

RPMI	Gibco	1875093	+ phenol red
RPMI phenol free	Gibco	11835030	-phenol red
Table top centrifuge	Beckman Coulter	Allegra612	
TCR β PerCP Cy5.5	ebioscience	45-5961-82	
TCR γ/δ Pe Cy5	ebioscience	15-5961-82	
Vi-Cell Blu Reagent Pack		Product No: C06019	Includes Tripan
Vi-Cell Blu	Beckman Coulter		
Waterbath	Fisher Brand Dry bath		