

Materials List for:

Analysis of Simian Immunodeficiency Virus-specific CD8⁺ T-cells in Rhesus Macaques by Peptide-MHC-I Tetramer Staining

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URL: <https://www.jove.com/video/54881>

DOI: [doi:10.3791/54881](https://doi.org/10.3791/54881)

Materials

Name	Company	Catalog Number	Comments
Dasatinib	Axon medchem	Axon 1392	Must be resuspended in DMSO and immediately stored at -20 °C
RPMI w/ Glutamax	gibco/ Life Technologies	61870-036	Must be stored at 4 °C
Heat Inactivated FBS	gibco/ Life Technologies	10082-147	Must be stored at 4 °C
Penicillin-Streptomycin- Amphotericin B	Lonza	17-745E	Must be stored at 4 °C
DMSO, Anhydrous	Life Technologies	D12345	Store at room temperature.
5 ml Round-Bottom Polypropylene Tubes	VWR	60819-728	
Fluorochrome-conjugated pMHC-I tetramers	NIH Tetramer Core or MBL, Inc.		Must be stored and maintained at 4 °C. Centrifuge at 20,000 x g for 15 min before use. Do not freeze.
Fluorochrome-conjugated mAbs	Various companies		Must be stored and maintained at 4 °C. Do not freeze.
LIVE/DEAD Fixable Aqua Dead Cell Stain Kit	Life Technologies	134957	Must be stored at -20 °C. Resuspend each aliquot in 50 µl of DMSO prior to use.
Brilliant Stain Buffer	BD Biosciences	563794	Must be stored at 4 °C
Phosphate Buffered Saline	VWR	97064-158	Store at room temperature
Albumine Bovine	VWR	700011-230	Must be stored at 4 °C
Sodium Azide	VWR	97064-646	Store at room temperature. Toxic substance. Do not mix with bleach.
Bleach	VWR	89501-620	Corrosive chemical, cannot be mixed with sodium azide. Handle with care
Paraformaldehyde	Electron Microscopy Sciences	15714-S	Flammable, corrosive, and toxic reagent. Handle with care
Polysorbate 20 (Tween-20)	Alfa Aesar	L15029	Store at room temperature
Permeabilization Solution 2	BD Biosciences	340973	Toxic and corrosive reagent. Handle with care
Sarsdet Tubes 1.5 ml screw top	VWR	72.692.005	
2.0 ml DNA/RNA Low bind Tubes	Eppendorf	22431048	The use of Sterile microtubes is preferred
Vortex mixer	To discretion of scientist		
Biosafety Cabinet	To discretion of scientist		
Milli Q Integral Water Purification system	EMD Millipore	ZRXQ010WW	Molecular Biology grade water from any provider may be used
Microcentrifuge	To discretion of scientist		

Centrifuge	To discretion of scientist		
4 °C refrigerator	To discretion of scientist		
BD LSR II	BD Biosciences		Flow cytometer must contain lasers and filters that are compatible with the staining panel used.
Deionized water			
Aluminum Foil	VWR SCIENTIFIC INC.	89068-738	
Incubator			Must be able to maintain 37 °C internal temperature
FACS Diva software	BD Biosciences		
Flowjo software version 9.6	Flowjo		Used to analyze FCS files generated by FACS Diva software
Micropipette tips			