

Materials List for:

Single-cell Quantitation of mRNA and Surface Protein Expression in Simian Immunodeficiency Virus-infected CD4⁺ T Cells Isolated from Rhesus macaques

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Materials

Name	Company	Catalog Number	Comments
RNA extraction and PCR reagents and consumables			
Genemate 96-Well Semi-Skirted PCR Plate	BioExpress/VWR	T-3060-1	
Adhesive PCR Plate Seals	ThermoFisher	AB0558	
Armadillo 384-well PCR Plate	ThermoFisher	AB2384	
MicroAmp Optical Adhesive Film	Applied Biosystems/ThermoFisher	4311971	
DEPC Water	Quality Biological	351-068-101	
Glass Distilled Water	Teknova	W3345	
Superscript III Platinum One-Step qRT-PCR Kit	Invitrogen/ThermoFisher	11732088	
SUPERase-In Rnase Inhibitor	Invitrogen/ThermoFisher	AM2696	
Platinum Taq	Invitrogen/ThermoFisher	10966034	
dNTP Mix	Invitrogen/ThermoFisher	18427088	
ROX Reference Dye (if separate from kit)	Invitrogen/ThermoFisher	12223012	
DNA Suspension Buffer	Teknova	T0223	
RNAqueous kit	Invitrogen/ThermoFisher	AM1931	
TaqMan gene expression assays not listed in Table 2			
CD6	Applied Biosystems/ThermoFisher	Hs00198752_m1	
TLR3	Applied Biosystems/ThermoFisher	Hs1551078_m1	
Biomark reagents			

Control Line Fluid Kit	Fluidigm	89000021	
TaqMan Universal PCR Mix	Applied Biosystems/ThermoFisher	4304437	
Assay Loading Reagent	Fluidigm	85000736	
Sample Loading Reagent	Fluidigm	85000735	
Dynamic Array 96.96 (chip)	Fluidigm	BMK-M-96.96	
FACS reagents			
SPHERO COMPtrol Goat anti-mouse (lambda)	Spherotech Inc.	CMIgP-30-5H	
CompBeads Anti-Mouse Ig,k	BD Biosciences	51-90-9001229	
5 ml Polystyrene tube with strainer cap	FALCON	352235	
Aqua Live/Dead stain	Invitrogen/ThermoFisher	L34976	dilute 1:800
Mouse Anti-Human CD3 BV650 clone SP34-2	BD Biosciences	563916	dilute 1:40
Mouse Anti-Human CD4 BV786 clone L200	BD Biosciences	563914	dilute 1:20
Mouse Anti-Human CD8 BUV496 clone RPA-T8	BD Biosciences	564804	dilute 1:10
Mouse Anti-Human CD28 BV711 clone CD28.2	Biolegend	302948	dilute 1:20
Mouse Anti-Human CD95 BUV737 clone DX2	BD Biosciences	564710	dilute 1:10
Mouse Anti-Human CD14 BV510 clone M5E2	Biolegend	301842	dilute 1:83
Mouse Anti-Human CD16 BV510 clone 3G8	Biolegend	302048	dilute 1:167
Mouse Anti-Human CD20 BV510 clone 2H7	Biolegend	302340	dilute 1:37
Anti-CD38-R PE clone OKT10	NHP reagent recourse	N/A	dilute 1:100
Mouse Anti-Human CD69 BUV395 clone FN50	BD Biosciences	564364	dilute 1:10
Mouse Anti-Human HLA-DR APC-H7 clone G46-6	BD Biosciences	561358	dilute 1:20
Mouse Anti-Human ICOS Alexa Fluor 700 clone C398.4A	Biolegend	313528	dilute 1:80
Instruments			
BioPrptect Containment Enclosure	Baker		

BD FACS Aria	BD Biosciences		
ProtoFlex Dual 96-well PCR system	Applied Biosystems/ThermoFisher	4484076	
Quant Studio 6 qPCR instrument	Applied Biosystems/ThermoFisher	4485694	
IFC controller HX	Fluidigm	IFC-HX	
Biomark HD	Fluidigm	BMKHD-BMKHD	