

Materials List for:

Integrate Imaging Flow Cytometry and Transcriptomic Profiling to Evaluate Altered Endocytic CD1d Trafficking

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Materials

Name	Company	Catalog Number	Comments
Transcriptomics	Illumina	HiSeq 2500 v4	Illumina HiSeq system
ImagingStream X	Millipore	100220	Imaging flow cytometry
mirVana miRNA Isolation Kit	Thermo Fisher		Total RNA extraction
Agilent RNA 6000 Pico Kit	Agilent		Total RNA QC analysis
Veriti 96-Well Fast Thermal Cycler	Thermo Fisher		PCR, enzyme reaction
NEBNext Poly(A) mRNA Magnetic Isolation Module	New England Biolab		PolyA RNA purification
Automated SMARTer Apollo system	Takara		PolyA RNA purification
NEBNext Ultra RNA Library Prep Kit for Illumina	New England Biolab		Library preparation
Agencourt AMPure XP magnetic beads	Beckman Coulter		DNA purification
2100 Bioanalyzer	Agilent		Library QC, size distribution analysis
Agilent High Sensitivity DNA Kit	Agilent		Library QC, size distribution analysis
QuantStudio 5 Real-Time PCR System (Thermo Fisher)	Thermo Fisher		Library quantification
NEBNext Library Quant Kit	New England Biolab		Library quantification
cBot	Illumina		Library cluster generation
TruSeq SR Cluster Kit v3 - cBot - HS	Illumina		Library cluster generation
HiSeq 1000	Illumina		Sequencing
TruSeq SBS Kit v3 - HS (50-cycles)	Illumina		Sequencing
Phycoerythrin/Cyanine 7 (PE/Cy7)	Bio Legend	L243	
Phycoerythrin/Cyanine 5 (PE/Cy5)	Bio Legend	3.9	
Brilliant violet 421	Bio Legend	L161	
PE-anti-mouse IgG2b	Bio Legend	51.1	
Alexa Fluor 647 (AF647)	Bio Legend	CD107a(H4A3)	