

Materials List for

Two Flow Cytometric Approaches of NKG2D Ligand Surface Detection to Distinguish Stem Cells from Bulk Subpopulations in Acute Myeloid Leukemia

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Materials

Name	Company	Catalog Number	Comments
7-amminoactinomycin D (7-AAD)	Invitrogen	A1310	Viability dye
96 well plate U bottom	Sarstedt	833925500	96 Well plate for our Flow cytometer
APC Mouse Anti-Human cd34	BD	555824	Antibody detecting CD34 RRID: AB_398614
Bovine Serum Albumin	PanReac AppliChem	A1391,0050	Component of the staining buffer
Ethylenediaminetetraacetic acid	Roth	8043.1	Component of the staining buffer
Fetal Calf Serum (FCS)	BioConcept	2-01F10-I	Component of the supplemented RPMI medium
FlowJo 10.2	BD	/	Software enabling data analysis for flow cytometry experiment
Goat- anti-Rabbit IgG (H+L) Alexa Fluor 488	Thermo Scientific	A21222	Secondary antibody detecting the primary antibodies for MICA and MICB RRID: AB_1037853
Human NKG2D Fc Chimera Protein, CF	R&D	1299-NK-050	Fusion Protein detecting all NKG2DLs RRID:
Human ULBP-1 Antibody	R&D	AF1380	Antibody detecting ULBP1 RRID: AB_354765
Human ULBP-2/5/6 Antibody	R&D	AF1298	Antibody detecting ULBP2/5/6 RRID: AB_354725
Human ULBP-3 Antibody	R&D	AF1517	Antibody detecting ULBP3 RRID: AB_354835
MICA Polyclonal Antibody	Thermo Scientific	PA5-35346	Antibody detecting MICA RRID: AB_2552656
MICB Polyclonal Antibody	Thermo Scientific	PA5-66698	Antibody detecting MICB RRID: AB_2663413

One-step Antibody Biotinylation Kit 1 strip, for 8 reactions	Miltenyibiotec	130-093-385	Biotinylation kit for the NKG2DL fusion protein
Phosphate Buffered Saline	Sigma Aldrich	D8537-500ML	Component of the staining buffer
Rabbit anti-Goat IgG (H+L) Alexa Fluor 488	Thermo Scientific	A11034	Secondary antibody detecting the primary antibodies for the ULBPs RRID: AB_2576217
Rainbow Calibration Particles (8-peaks) 3.0 um	Spherotech Inc.	RCP-30-20A	Beads used for flow cytometry device maintainance
RPMI medium	Sigma Aldrich	R8758-500ML	Cell culture medium
RayBright Universal Compensation Beads	Raybiotech	137-00013-100	Beads used to create the compensation matrix
Streptavidin, R-Phycoerythrin Conjugate (SAPE) - 1 mg/mL	Invitrogen	S866	Secondary step for the biotinylated NKG2DL fusion protein detection