

Materials List for

# Flow Cytometry Analysis of Murine Bone Marrow Hematopoietic Stem and Progenitor Cells and Stromal Niche Cells

Laura Mosteo<sup>1</sup>, Joana Reis<sup>1</sup>, Lídia Rocha<sup>1</sup>, Marta Lopes<sup>1</sup>, Delfim Duarte<sup>1,2,3,4</sup>

<sup>1</sup>Instituto de Investigação e Inovação em Saúde (i3S), Universidade do Porto <sup>2</sup>Department of Onco-Hematology, Instituto Português de Oncologia (IPO)-Porto <sup>3</sup>Unit of Biochemistry, Department of Biomedicine, Faculdade de Medicina da Universidade do Porto <sup>4</sup>Porto Comprehensive Cancer Center (P.CCC)

## Corresponding Author

Delfim Duarte

delfimd@med.up.pt

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jove.com/video/64248

## Materials

Name	Company	Catalog Number	Comments
Alexa Fluor 647 anti-mouse CD54/ICAM-1 antibody	BioLegend	116114	
APC Streptavidin	BioLegend	405207	
APC/Cyanine7 anti-mouse CD117 (c-kit) antibody	BioLegend	105826	
APC/Cyanine7 anti-mouse CD45 antibody	BioLegend	103116	
APC/Cyanine7 anti-mouse TER-119/erythroid cells antibody	BioLegend	116223	
Biotin anti-mouse CD3ε antibody	BioLegend	100304	
Biotin anti-mouse CD4 antibody	BioLegend	100404	
Biotin anti-mouse CD8a antibody	BioLegend	100704	
Biotin anti-mouse Ly-6G/Ly-6C (Gr-1) antibody	BioLegend	108404	
Biotin anti-mouse TER-119/erythroid cells antibody	BioLegend	116204	
Biotin anti-mouse/human CD11b antibody	BioLegend	101204	
Biotin anti-mouse/human CD45R/B220 antibody	BioLegend	103204	
Brilliant Violet 510 anti-mouse CD150 (SLAM) antibody	BioLegend	115929	
Calibrite 2 Color Beads	BD Biosciences	349502	
Collagenase IV	Merck Life Science	C1889	
Dispase II	Merck Life Science	D4693	
Fetal Bovine Serum, qualified, heat inactivated, E.U.-approved, South America Origin	ThermoFisher Scientific	10500064	

Hanks' Balanced Salt Solution (HBSS)	ThermoFisher Scientific	14175095	
Mouse Leptin R Biotinylated Antibody	R&D systems	BAF497	
NucBlue Fixed Cell Reagent (DAPI)	ThermoFisher Scientific	R37606	DAPI reagent
PE anti-mouse endomucin antibody	ThermoFisher Scientific	12-5851-82	
PE anti-mouse Flk2 (CD135)	ThermoFisher Scientific	12-1351-82	
PE/Cyanine7 anti-mouse CD31 antibody	BioLegend	102524	
PE/Cyanine7 anti-mouse CD48 antibody	BioLegend	103424	
PerCP anti-mouse Ly-6A/E (Sca-1) antibody	BioLegend	108122	
Phosphate-buffered saline (PBS) tablets	Merck Life Science	P4417	
Purified anti-mouse CD16/32 antibody	BioLegend	101302	
RBC lysis buffer 10x	BioLegend	420302	
Zombie Violet Fixable Viability Dye	BioLegend	423114	fluorescent dye