

Materials List for:

Database-guided Flow-cytometry for Evaluation of Bone Marrow Myeloid Cell Maturation

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URL: <https://www.jove.com/video/57867>

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Materials

Name	Company	Catalog Number	Comments
BD FACSCanto II flow-cytometer	BD Biosciences, CA, USA	SN: V33896301336	3-laser, 4-2-2 configuration, Filters and mirrors details: https://www.bdbiosciences.com/documents/BD_FACSCanto_II_FilterGuide.pdf
Awel C48-R Centrifuge	AWEL Industries, FR	SN: 910120016; Model No: 320002001	low speed centrifuges; capacity 60 FACS tubes
Pipetts of 10µL and 200µL			
Pasteur pipettes			
15 mL Falcon tubes			
polypropylene tube for FACS			
Mouse Anti-Human HLA-DR	BD Biosciences, CA, USA	655874	clone L243 Mouse BALB/c IgG2a, κ Fluorochrome Horizon V450 (Ex max 404 nm/ Em max 448 nm)
Mouse Anti-Human CD45	BD Biosciences, CA, USA	560777	clone HI30 Mouse IgG1, κ Fluorochrome Horizon V500 (Ex max 415 nm/ Em max 500 nm)
Mouse Anti-Human CD16	BD Biosciences, CA, USA	656146	clone CLB/fcGran1 Mouse BALB/c IgG2a, κ Fluorochrome FITC (Ex max 494 nm/ Em max 520 nm)
Mouse Anti-Human CD13	BD Biosciences, CA, USA	347406	clone L138 Mouse BALB/c X C57BL/6 IgG1, κ Fluorochrome PE (Ex max 496 nm/ Em max 578 nm)
Mouse Anti-Human CD34	BD Biosciences, CA, USA	347222	clone 8G12 Mouse BALB/c IgG1, κ Fluorochrome PerCP-Cy5.5 (Ex max 482 nm/ Em max 678 nm)
Mouse Anti-Human CD117	BD Biosciences, CA, USA	339217	clone 104D2 Mouse BALB/c IgG1

			Fluorochrome PE-Cy7 (Ex max 496 nm/ Em max 785 nm)
Mouse Anti-Human CD11b	BD Biosciences, CA, USA	333143	clone D12 Mouse BALB/c IgG2a, κ D12, Fluorochrome APC (Ex max 650 nm/ Em max 660nm)
Mouse Anti-Human CD10	BD Biosciences, CA, USA	646783	clone HI10A Mouse BALB/c IgG1, κ Fluorochrome APC-H7 (Ex max 496 nm/ Em max 785nm)
Mouse Anti-Human CD35	BD Biosciences, CA, USA	555452	clone E11 Mouse IgG1, κ Fluorochrome FITC (Ex max 494 nm/ Em max 520 nm)
Mouse Anti-Human CD64	BD Biosciences, CA, USA	644385	clone 10.1 Mouse BALB/c IgG1, κ Fluorochrome PE (Ex max 496 nm/ Em max 578 nm)
Mouse Anti-Human CD300e	Immunostep	IREM2A-T100	clone UP-H2 Mouse BALB/c IgG1, κ Fluorochrome APC (Ex max 496 nm/ Em max 578 nm)
Mouse Anti-Human CD14	BD Biosciences, CA, USA	641394	clone MoP9 Mouse BALB/c IgG2b, κ Fluorochrome APC-H7 (Ex max 496 nm/ Em max 785nm)
Mouse Anti-Human CD36	BD Biosciences, CA, USA	656151	clone CLB-IVC7 Mouse IgG1, κ Fluorochrome FITC (Ex max 494 nm/ Em max 520 nm)
Mouse Anti-Human CD105	BD Biosciences, CA, USA	560839	clone 266 Mouse BALB/c IgG1, κ Fluorochrome PE (Ex max 496 nm/ Em max 578 nm)
Mouse Anti-Human CD33		345800	clone P67.6 Mouse BALB/c IgG1, κ Fluorochrome APC (Ex max 496 nm/ Em max 578 nm)
Mouse Anti-Human CD71	BD Biosciences, CA, USA	655408	clone M-A712 Mouse BALB/c IgG2a, κ Fluorochrome APC-H7 (Ex max 496 nm/ Em max 785nm)
Lysing Solution 10x Concentrate (IVD)	BD Biosciences, CA, USA	349202	
FACSFlow Sheath Fluid	BD Biosciences, CA, USA	342003	
FACSDiva CS&T IVD beads	BD Biosciences, CA, USA	656046	
RAINBOW CALIBRATION PARTICLES, 8 PEAKS	Cytognos, Salamanca, Spain	SPH-RCP-30-5A	lots EAB01, EAC01, EAD05, EAE01, EAF01, EAG01, EAH01, EAI01, EAJ01, EAK01

Compensation Particles Multicolor CompBeads(CE/IVD)	BD Biosciences, CA, USA	ref. #51-90-9001229 + #51-90-9001291	
Diva software versions 6.1.2 and 6.1.3	BD Biosciences, CA, USA		
Phosphate buffered saline tablets	R&D Systems, Minneapolis, USA	5564	
Bovine serum albumin (BSA)	Sigma-Aldrich, France	A9647	
Sodium azide 99%	Sigma-Aldrich, France	199931	
Infinicyt software version 1.8.0.e	Cytognos, Salamanca, Spain		