

Materials List for:

Isolation and Characterization of Microvesicles from Peripheral Blood

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Materials

Name	Company	Catalog Number	Comments
butterfly needle (21 gauge)	Hospira Deutschland GmbH	490P29201	
Bovine serum albumin Fraction V	Roth	8076.3	For 10x TBS weigh 24.2 g Tris base and 80 g NaCl, ad 1 L H ₂ O and adjust pH to 7.6
For 1x TBS-T mix 100 mL 10x TBS with 900 mL H ₂ O and add 1 mL Tween-20			
CD235a-PE	Beckman Coulter	A07792	use 5 µl for staining
CD45-FITC	Beckman Coulter	7782	use 5 µl for staining
CD62E-PE	Biolegend	336008	use 0.8 µg for staining
CD62P-PE	Biolegend	304905	use 0.1 µg for staining
CD81 antibody	Biolegend	349501	1:2,000 in 5% BSA in TBS-T; use non-reducing conditions for Western Blotting
CD9 antibody	Immunotools	21270091	1:1,000 in 5% BSA in TBS-T; use non-reducing conditions for Western Blotting
Chemiluminescence imager ImageQuant LAS-4000	Fujitsu Life Sciences		
DC protein assay kit II	Bio-Rad	5000112	
ECL detection reagent	GE Healthcare	RPN2232	
EDTA vacutainers for blood collection	Sarstedt	01.1605.001	
FACSCanto II	BD Biosciences		
fetal calf serum (FCS)	Invitrogen	10091148	heat-inactivated (30 min, 56 °C)
filter 0.22 µm	Sarstedt	83.1826.001	
HRP-coupled anti-mouse secondary antibody	santa cruz	sc-2005	use 1:10,000 in 5% milk powder in TBS-T
HRP-coupled anti-rabbit secondary antibody	santa cruz	sc-2004	use 1:10,000 in 5% milk powder in TBS-T
4x Laemmli loading buffer, Roti-Load 1	Roth	K929.1	
microfuge SIGMA 1-15K	Sigma Laborzentrifugen		
milk powder (Blotting-Grade Blocker, nonfat dry milk)	BioRad	170-6404	
multifuge 3 L-R	Heraeus		
NanoSight LM10	NanoSight Ltd.		
PBS, w/o Ca and Mg	Pan biotech	P04-36500	
perfusor syringe 50 mL	Braun	8728844F	
Ponceau-S staining solution	PanReac AppliChem	A2935,0500	

rotor Sw32.1 Ti for ultracentrifugation (6 x 17 mL)	Beckman Coulter		
rotor TLA-120.2 for ultracentrifugation (10 x 1.5 mL)	Beckman Coulter		
tubes for flow cytometry (5 mL, round-bottom)	BD Biosciences	352054	
tubes for ultracentrifugation (15 mL)	Beckman Coulter	344061	
tubes for ultracentrifugation (11* 34 mm)	Beckman Coulter	343778	
Tubulin antibody	Millipore	05-829	1:5,000 in 5%BSA in TBST
ultracentrifuge Optima L-80 XP	Beckman Coulter		
ultracentrifuge TL-100	Beckman Coulter		
valve filter Seraplas V15	Sarstedt	53,428	