

Materials List for:

Dynamic Adhesion Assay for the Functional Analysis of Anti-adhesion Therapies in Inflammatory Bowel Disease

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Materials

Name	Company	Catalog Number	Comments
48-well plate	Sarstedt	833,923	
Adhesion buffer: 150 mM NaCl + 1 mM HEPES + 1 mM MgCl ₂ + 1 mM CaCl ₂			
Blocking solution: 1x PBS in ddH ₂ O + 5 % BSA			
Bovine Serum albumin (BSA)	Applichem	A1391,0100	
CaCl ₂	Merck	2382	
Capillaries: Rectangle Boro Tubing 0.20 mm x 2.00 mm ID, 50 mm length	CM Scientific	3520-050	
CCL-2, human	Immunotools	11343384	
CD4-Microbeads, human	Miltenyi Biotec	130-045-101	
CellTrace™ CFSE Cell Proliferation Kit	ThermoFischer Scientific	C34554	
Centrifuge (Rotixa 50 RS)	Hettrich		
Coating buffer: 150 mM NaCl + 1 mM HEPES			
Confocal Microscope (TCS SP8)	Leica		
CXCL-10, human	Immunotools	11343884	
Dextran 500	Roth	9219.3	
EDTA KE/9 mL Monovette	Sarstedt		
Falcons (50 mL)	Sarstedt	62,547,004	
Fc chimera isotype control	R&D Systems	110-HG	
Flow Rates Peristaltic Pump (LabV1)	Baoding Shenchen Precision Pump Company		
HEPES	VWR	J848-100ML	
Human IgG Isotype Control	ThermoFischer Scientific	31154	
Intercellular Adhesion Molecule 1 (ICAM-1) Fc chimera	R&D Systems	720-IC-050	
LS-Columns	Miltenyi Biotec	130-042-401	
MgCl ₂	Roth		
MnCl ₂	Roth		
mouse IgG isotype control	Miltenyi Biotec	130-106-545	

Mucosal Vascular Addressin Cell Adhesion Molecule 1 (MAdCAM-1) Fc chimera	R&D Systems	6056-MC	
NaCl	Roth	3957.3	
Natalizumab	Biogen		
Neubauer Counting chamber	Roth	T729.1	
Pancoll, human	PAN Biotech	P04-601000	
Phosphate Buffered Saline (PBS)	Biochrom	L 182-10	w/o Mg and Ca
Plastic paraffin film: Parafilm (PM-996)	VWR	52858-000	
purified anti-human CD18	Biolegend	302102	
RPMI Medium 1640	Gibco Life Technologies	61870-010	
Rubber tubing: SC0059T 3-Stop LMT-55 Tubing, 1.02 mm ID, 406.4 mm length	Ismatec	SC0059	
Serological Pipetts	Sarstedt	861,254,025	
Trypan blue	Roth	CN76.1	
Vascular Cell Adhesion Molecule 1 (VCAM-1) Fc chimera	Biolegend	553706	
Vedolizumab (Entyvio)	Takeda		