

Materials List for:

Systematic Analysis of *In Vitro* Cell Rolling Using a Multi-well Plate Microfluidic System

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Materials

Name	Company	Catalog Number	Comments
Human Lung Microvascular Endothelial Cells	Lonza	CC-2527	
P-selectin-expressing Chinese Hamster Ovary Cells (CHO-P)	Kind gift by Dr. Barbara Furie ^{11,12}		
HL-60 Cells	ATCC	CCL-240	
Cell Culture Reagents			
Endothelial Basal Medium	Lonza	CC-3156	
EBM-2 Media	Lonza	CC-3156	
Endothelial Basal Medium Supplements	Lonza	CC-4147	
EGM-2 MV SingleQuots	Lonza	CC-4147	
IMDM - Iscove's Modified Dulbecco's Medium 1x	Gibco	12440	
F-12 (1x) Nutrient Mixture (Ham)	Gibco	11765-054	
Penicillin Streptomycin (P/S)	Gibco	15140	
L-Glutamine (L/G) 200 mM	Gibco	25030	
Fetal Bovine Serum (FBS)	Atlanta Biologicals	Sa550	
Petri Dishes	BD Falcon	BD-353003	
100 mm Cell Culture Dish, Tissue-Culture Treated Polystyrene			
Centrifuge Tubes (15 ml polypropylene conical tubes)	MedSupply Partners	TC1500	
T75 Flasks	BD Falcon	353136	
Gelatin Solution (2%)	Sigma	G1393	
dPBS (without calcium chloride and magnesium chloride)	Sigma	D8537	
Trypsin-EDTA Solution (10x)	Sigma	T4174	
Antibodies			
Anti-hE-Selectin/CD62E	R&D Systems	BBA21	
FITC Conjugated Mouse IgG ₁	R&D Systems	BBA21	
Anti-hP-Selectin	R&D Systems	BBA34	
FITC Conjugated Mouse IgG ₁	R&D Systems	BBA34	
FITC Mouse IgG1 κ Isotype Control	BD Bioscience	555748	

Anti-SLeX /CD15s Ab, Clone: 5F18	Santa Cruz	SC70545	
FITC Conjugated	Santa Cruz	SC70545	
Normal Mouse IgM-FITC Isotype Control	Santa Cruz	SC2859	
PE Mouse Anti-Human CD162, Clone: KPL-1	BD Pharmingen	556055	
PE Mouse IgG ₁ k Isotype Control	BD Pharmingen	550617	
Anti-P-Selectin Ab (AK4)	Santa Cruz	SC19996	
Anti-E-Selectin Ab, Clone P2H3	Millipore	MAB2150	
Mouse IgG ₁ Isotype Control	Santa Cruz	SC3877	
Other Reagents			
Recombinant Human TNF-alpha	PeproTech	300-01A	
Cell Trace CFSE Cell Proliferation Kit - For Flow Cytometry	Invitrogen	C34554	
Human P-selectin-FC recombinant protein	R&D Systems	137-PS-050	
Human E-selectin-FC recombinant protein	R&D Systems	724-ES-100	
Fibronectin Human, Plasma	Invitrogen	33016-015	
Equipment			
Bioflux 1000	Fluxion Biosciences	Bioflux Montage was the software used to run the experiments and analyze the data	
BioFlux 48-well plates	Fluxion Biosciences		
BD Accuri C6 Flow Cytometer	BD Bioscience	CFlow Plus was the software used to run the experiments and analyze the data	
Nikon Eclipse Ti-S	Nikon		
CoolSnap HQ2 CCD camera	Photometrics		