

Materials List for:

Screening Assays to Characterize Novel Endothelial Regulators Involved in the Inflammatory Response

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Materials

Name	Company	Catalog Number	Comments
Gelatin	Sigma	G9391	
DMEM-F12	Lonza	BE12-719F	
Fetal Bovine Serum	Sigma	A4503	
Penicillin streptomycin	Lonza	DE17-602E	
Trypsine	Lonza	BE17-160E	
EDTA	Sigma	ED2SS	
LPS	Sigma	L2880	
Trizol	Sigma	T9424	RNA extraction buffer
Isopropanol	Sigma	33539	
Ethanol absoluto	Panreac	1,310,861,612	
Pure H ₂ O	Qiagen	1017979	RNAse free
Agarose	Pronadisa	8020	
Stain for agarose gels	Invitrogen	s33102	
SuperScript III First-Strand Synth	Invitrogen	18080051	Reagents for RT-PCR
Fast SYBR Green Master Mix	Applied Biosystems	4385610	Fluorescent stain for qPCR
MicroAmp Fast Optical 96-Well	Applied Biosystems	4346906	Plates for qPCR
U-bottom 96 well plates	Falcon	353072	
Cytometry tubes	Falcon	352054	
TX100	Panreac	212314	Non-ionic surfactant
Tris-HCl	Panreac	1,319,401,211	
Sodium chloride	Merck	1,064,041,000	
Sodium pyrophosphate	Sigma	221368	
Sodium fluoride	Sigma	S7920	
Sodium orthovanadate	sigma	13721-39-6	
Protease inhibitor cocktail	sigma	P8340	
Pierce BCA Protein Assay Kit	Pierce	23225	Reagents for bicinchoninic acid assay
β-mercaptoethanol	merck	805,740	
PVDF Transfer Membrane, 0.45 μm	Thermo Scientific	88518	
Tween-20	Panreac	1,623,121,611	Polysorbate 20
PBS	Lonza	BE17-515Q	
ECL	Millipore	WBKLS0500	
Fibronectin	Sigma	F1141	

Laminin	Sigma	L2020	
Collagen type I	Sigma	c8919	
Acetic acid	Panreac	1,310,081,611	
Trypan blue	Sigma	T8154	
Paraformaldehyde	Sigma	P6148	
Methanol	Panreac	1,310,911,612	
Crystal violet	Sigma	HT90132	
Sodium citrate	Sigma	C7254	
Ethanol 96%	Panreac	1,410,851,212	
CFSE	Sigma	21888	
RPMI	Lonza	BE12-115F	
SDS	Bio-Rad	161-0418	
Infinite M200	Tecan	M200	Multi mode microplate reader
Gel Doc 2000	Bio-Rad	2000	Gel documentation system
StepOnePlus	Applied Biosystems	StepOnePlus	qPCR system
MACSQuant Analyzer 10	Miltenyi Biotec	Analyzer 10	Cytometry equipment
ChemiDoc MP	Bio-Rad	MP	Chemiluminescence detection system
Name	Company	Catalog Number	Comments
Antibodies			
PECAM-1	BD Biosciences	553370	Use at 10 µg/mL
ICAM-2	Biologend	1054602	Use at 10 µg/mL
E-selectin	BD Biosciences	553749	Use at 10 µg/mL
VCAM-1	BD Biosciences	553330	Use at 10 µg/mL
ICAM-1	Becton Dickinson	553250	Use at 10 µg/mL
anti-rat IgG-FITC	Jackson Immuno Research	112-095-006	Use at 10 µg/mL
anti armenian hamster-FITC	Jackson Immuno Research	127-095-160	Use at 10 µg/mL
Rat IgG isotype control	Invitrogen	10700	Use at 10 µg/mL
Armenian hamster IgG isotype control	Invitrogen	PA5-33220	Use at 10 µg/mL
P-IkB-α	Cell Signaling	2859	Use at 10 µg/mL
β-Actin	Sigma	A5441	Use at 10 µg/mL
P-ERK	Cell Signaling	9101	Use at 10 µg/mL
anti-mouse HRP	GE Healthcare	LNXA931/AE	Use at 1:10,000
anti-rabbit HRP	GE Healthcare	LNA934V/AG	Use at 1:10,000
anti-rat HRP	Santa Cruz	Sc-3823	Use at 1:10,000