

Materials List for

Glomerular Outgrowth as an Ex Vivo Assay to Analyze Pathways Involved in Parietal Epithelial Cell Activation

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jove.com/video/60324

Materials

Name	Company	Catalog Number	Comments
24-well cell culture plate	Corning Costar		
anti-CD31	BD Pharmingen	Endothelial cell marker (used concentration 1:200)	
chicken-anti-rat Alexa 647	Thermo Fisher	(used concentration 1:200)	
DAPI-Fluoromount G	Southern Biotech	Mounting medium containing DAPI	
Digital inverted light microscope	Westburg, EVOS fl microscope		
donkey-anti-goat Alexa 568	Thermo Fisher	(used concentration 1:200)	
donkey-anti-rabbit Alexa 568	Thermo Fisher	(used concentration 1:200)	
Dulbecco's Modified Eagle's medium	Lonza		
EBM Medium	Lonza		
EBM-MV Single Quots kit	Lonza	containing hydrocortisone, hEGF, GA-1000, FBS and BBE	
Fetal Bovine Serum	Lonza		
Fetal Calf Serum	Lonza		
Fluorescent microscope	Leica Microsystems GmbH		
goat-anti-synaptopodin	Santa Cruz	Podocyte marker (used concentration 1:200)	
Hanks'Balanced Salt Solution	Gibco		
ImageJ software	FIJI 1.51n		
petri dish	Sarstedt	size 100	
rabbit-anti-claudin1	Abcam	Parietal epithelial cell marker (used concentration 1:100)	
rabbit-anti-SSeCKS	Roswell Park Comprehensive Cancer Center, Buffalo, NY, USA	kindly provided by Dr. E. Gelman, Parietal epithelial cell marker	
rat-anti-CD44	BD Pharmingen	Parietal epithelial cell marker (used concentration 1:200)	
scalpel	Dahlhausen	size 10	

Sieves	Endecotts Ltd	size 300 μ m, 75 μ m, 53 μ m, steel	
syringe	BD Plastipak	size: 20 ml	
Ultra-Low Attachment Microplates	Corning Costar	6-well plates	