

Materials List for:

Isolation of Glomeruli and *In Vivo* Labeling of Glomerular Cell Surface Proteins

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Materials

Name	Company	Catalog Number	Comments
Motic SMZ168 BL	Motic	SMZ168BL	microscope for mouse surgery
KL1500LCD	Pulch and Lorenz microscopy	150500	light for mouse surgery
Rompun (Xylazin) 2%	Bayer	PZN:01320422	anesthesia
Microfederschere	Braun, Aesculap	FD100R	fine scissors, for cut into the aorta
Durotip Feine Scheren	Braun, Aesculap	BC210R	for abdominal cut
Anatomische Pinzette	Braun, Aesculap	BD215R	for surgery until the abdomen is opened
Präparierklemme	Aesculap	BJ008R	for surgery
Seraflex	Serag Wiessner	IC108000	silk thread
Ketamine 10%	Medistar		anesthesia
Rompun (Xylazin) 2%	Bayer		anesthesia
Fine Bore Polythene Tubing ID 0.28mm OD 0.61mm	Portex	800/100/100	Catheter
Fine Bore Polythene Tubing ID 0.58mm OD 0.96mm	Portex	800/100/200	Catheter
Harvard apparatus 11 Plus	Harvard Apparatus	70-2209	syringe pump
EZ-link Sulfo-NHC-LC-Biotin	Thermo Scientific	21335	biotin
Dynabeads Untouched Mouse T-cells	Invitrogen	11413D	to embolize glomeruli
Collagenase A	Roche	10103578001	to digest kidney tissue
DynaMag-2	Invitrogen	123.21D	Magnet catcher
100µm cell stainer	Greiner-bio	542000	for glomerular isolation
Axiovert 40 CFL	Zeiss	non available	to confirm glomerular purity
TissueRuptor	Quiagen	9002755	Tissue homogenizer
CHAPS	Sigma-Aldrich	C3023	for lysis buffer
Tris-HCL	Sigma-Aldrich	T5941	for lysis buffer
NaCl	VWR chemicals	27810295	for lysis buffer
NaF	Sigma-Aldrich	201154	for lysis buffer
EDTA	Sigma-Aldrich	E5134	for lysis buffer
ATP	Sigma-Aldrich	34369-07-8	for lysis buffer
Pierce BCA Protein Assay Kit	Thermo Scientific	23225	Follow the manufacturer's instructions
nephrin antibody	Progen	GP-N2	for westernblot

Polyclonal goat anti-podocalyxin antibody	R&D Systems	AF15556-SP	for westernblot
Streptavidin Agarose Resin	Thermo Scientific	20347	for immunoprecipitation
Protein A sepharose CL-4B	GE Healthcare	17096303	for immunoprecipitation
polyclonal rabbit anti-p57 antibody	SCBT	sc-8298	for Immunohistochemistry
mouse monoclonal anti-beta actin antibody, clone AC-74	Sigma-Aldrich	A2228	Western blot loading control
rabbit anti-p44/42	cell signalling	4695	for westernblot
Pierce High sensitivity streptavidin-HRP	Thermo Scientific	21130	for westernblot
polyclonal mouse ICAM-2 antibody	R&D Systems	AF774	for westernblot
polyclonal mouse anti-VE-cadherin	R&D Systems	AF1002	for westernblot