

Materials List for:

In Vivo Immunofluorescence Localization for Assessment of Therapeutic and Diagnostic Antibody Biodistribution in Cancer Research

Jennifer C. Wischhusen¹, Katheryne E. Wilson²

¹Apoptosis, Cancer and Development Laboratory - Equipe labellisée 'La Ligue', LabEx DEVweCAN, Centre de Cancérologie de Lyon, INSERM U1052-CNRS UMR5286, Centre Léon Bérard

²Department of Radiology/Molecular Imaging Program at Stanford, School of Medicine, Stanford University

Correspondence to: Katheryne E. Wilson at wilsonk2@stanford.edu

URL: <https://www.jove.com/video/59810>

DOI: [doi:10.3791/59810](https://doi.org/10.3791/59810)

Materials

Name	Company	Catalog Number	Comments
Animal Model			
FVB/N-Tg(MMTV-PyMT)634Mul/J	The Jackson Laboratory	002374	Females, 4-6 weeks of age
Animal Handling Supplies			
27G Catheter	VisualSonics	Please call to order	Vevo MicroMarker Tail Vein Access Cannulation Kit
Alcohol Wipes	Fisher Scientific	22-246073	
Gauze Sponges (4" x 4" 16 Ply)	Cardinal Health	2913	
Heat Lamp	Morganville Scientific	HL0100	
Isoflurane	Henry Schein Animal Health	29404	
Ophthalmic Ointment	Fisher Scientific	NC0490117	
Surgical Tape	3M	1530-1	
Tissue Collection			
Disposable Base Molds	Fisher Scientific	22-363-556	
Optimal Cutting Temperature (OCT) Medium	Fisher Scientific	23-730-571	
Surgical London Forceps	Fine Science Tools	11080-02	
Surgical Scissors	Fine Science Tools	14084-08	
Antibodies			
AlexaFluor-488 goat anti-rat IgG	Life Technologies	A-11006	
AlexaFluor-546 goat anti-rabbit IgG	Life Technologies	A-11010	
AlexaFluor-594 goat anti-human IgG	Life Technologies	A11014	
Human IgG Isotype Control	Novus Biologicals	NBP1-97043	
Humanized anti-netrin-1 antibody	Netris Pharma		contact@netrispharma.com
Rabbit anti-Mouse CD276 (B7-H3)	Abcam	ab134161	EPNCIR122 Clone
Rat anti-Mouse CD31	BD Biosciences	550274	MEC 13.3 Clone
Reagents			
Bovine Serum Albumin (BSA)	Sigma-Aldrich	A2153-50G	
Clear Nail Polish			Any local drug store
Indocyanine Green - NHS	Intrace Medical	ICG-NHS ester	
Mounting Medium	ThermoFisher Scientific	TA-006-FM	
Normal Goat Serum	Fisher Scientific	ICN19135680	
Paraformaldehyde (PFA)	Fisher Scientific	AAJ19943K2	

Sterile Phosphate Buffered Saline (PBS)	ThermoFisher Scientific	14190250	
Triton-X 100	Sigma-Aldrich	T8787	
Supplies			
Adhesion Glass Slides	VWR	48311-703	
Desalting Columns	Fisher Scientific	45-000-148	
Glass Cover Slips	Fisher Scientific	12-544G	
Hydrophobic Barrier Pen	Ted Pella	22311	
Microcentrifuge Tubes	Fisher Scientific	05-402-25	
Slide Staining Tray	VWR	87000-136	
Software			
FIJI	LOCi, UW-Madison.	Version 4.0	https://fiji.sc/