Materials List for:

Visualization of 3D White Adipose Tissue Structure Using Whole-mount Staining

Yanqing Jiang*[1], Joanna Lan-Hing Yeung*[1], Ju Hee Lee[1,2], James An[1], Patrick E. Steadman[3], Jae-Ryong Kim[4], Hoon-Ki Sung[1,2,5]

[1]Translational Medicine Program, The Hospital for Sick Children

[2]Department of Laboratory Medicine and Pathobiology, University of Toronto

[3]Neurosciences & Mental Health Program, The Hospital for Sick Children

[4]Department of Biochemistry and Molecular Biology, Smart-Aging Convergence Research Center, College of Medicine, Yeungnam University

[5]Banting and Best Diabetes Centre, University of Toronto

*These authors contributed equally

Correspondence to: Hoon-Ki Sung at hoon-ki.sung@sickkids.ca

Materials

Name	Company	Catalog Number	Comments
LipidTox	Life Technologies	H34477	
PECAM-1 primary antibody	Millipore	MAB1398Z(CH)	
TH (tyrosine hydroxylase) primary antibody	Millipore	AB152, AB1542	
DAPI stain	BD Pharmingen	564907	
Nikon A1R confocal microscope	Nikon		Confocal microscope
Ultramicroscope I	LaVision BioTec		Light sheet image fluorescent microscope
Alexa Fluor secondary antibodies	Jackson ImmunoResearch		Wavelengths 488, 594 and 647 used
Purified Rat Anti-Mouse CD16/CD32	BioSciences	553141	
Dichloromethane	Sigma-Aldrich	270997	
Dibenzyl-ether	Sigma-Aldrich	33630	
Methanol	Fisher Chemical	A452-1	
30% Hydrogen Peroxide	BIO BASIC CANADA INC	HC4060	
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D2650	
Glycine	Sigma-Aldrich	J7126	
Heparin	Sigma-Aldrich	H3393	
Lectin kit I, fluorescein labeled	VECTOR LABORATORIES	FLK-2100	
F4/80	Bio-Rad	MCA497GA	
VECTASHIELD Hard Set Mounting Medium with DAPI	VECTOR LABORATORIES	H-1500	
Paraformaldehyde (PFA)			
Phosphate Buffer Saline (PBS)			
Triton-X			
Tween			
Animal serum (goat, donkey)			