

Major Resources Tables

Animals (in vivo studies)

Species	Vendor or Source	Background Strain	Sex
-	-	-	-

Animal breeding

	Species	Vendor or Source	Background Strain	Other Information
Parent - Male	-			
Parent - Female	-			

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)
anti-human α -SMA	Santa Cruz	sc-3225	400 ng/mL	
anti-human von Willebrand factor	Abcam	ab6994	100 ng/mL	
CY3-conjugated Streptavidin	Jackson ImmunoResearch	016-160-084	1000 ng/mL	
Biotin	Jackson ImmunoResearch	715-065-150	1000 ng/mL	
anti-human RUNX2	Proteintech	20700-1-AP	60 ng/mL	
Alexa Fluor 488	Thermo Fisher Scientific	A11070	2000 ng/mL	
anti-human LAMP1	Abcam	ab24170	1000 ng/mL	
anti-human H-ferritin	Santa Cruz	sc-376594	400 ng/mL	
Alexa 647	Thermo Fisher Scientific	A21244	4000 ng/mL	
anti-human Sox9	Abcam	ab26414	2000 ng/mL	
anti-human CD31	Abcam	ab27333	1000 ng/mL	
anti-human Pit1	Abcam	ab177147	2000 ng/mL	
anti-human Pit2	Proteintech	12820-1-AP	60 ng/mL	
anti-human ENPP2	Thermo Fisher Scientific	PA5-12478	4000 ng/mL	
anti-human TNF- α	Thermo Fisher Scientific	PA5-19810	400 ng/mL	

anti-human IL1- β	Invitrogen	17h18116	400 ng/mL	
anti-human ALP	Abcam	ab65834	1000 ng/mL	

Cultured Cells

Name	Vendor or Source	Sex (F, M, or unknown)
Valvular Interstitial cells	Department of Cardiac Surgery, Faculty of Medicine, University of Debrecen	male and female
VIC (valvular interstitial cells)	Innoprot Ltd.	male
Healthy heart valve VIC	Department of Forensic Medicine, University of Debrecen	male and female