For Research Use Only

## CoraLite®594-conjugated EMILIN1 Monoclonal antibody

Catalog Number: CL594-60047



Basic Information	Catalog Number: CL594-60047	GenBank Accession Number: BC007530	Purification Method: Protein G purification				
	Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG1016	GeneID (NCBI): 11117 UNIPROT ID: Q9Y6C2 Full Name: elastin microfibril interfacer 1 Calculated MW: 107 kDa Observed MW: 120-130 kDa	CloneNo.: 2A5C8 Recommended Dilutions: IF-P 1:50-1:500 Excitation/Emission maxima wavelengths: 588 nm / 604 nm				
				Applications	Tested Applications: IF-P	Positive Controls: IF-P : human ovary tumor tissue,	
					Species Specificity: human		
				Background Information	EMILIN1, also named as EMILIN, EMILIN-1, gp115 and EMI, may be responsible for anchoring smooth muscle cells to elastic fibers, and may be involved not only in the formation of the elastic fiber, but also in the processes that regulate vessel assembly. It has cell adhesive capacity. EMILIN1 is a negative regulator of the transforming growth factor-beta (TGF-beta) signaling, which is involved in blood pressure (BP) homeostasis (PMID:20186130). EMILIN1 may play a key role in hypertensive vascular remodeling. TGF $\beta$ proteins are the main regulators of blood vessel development and maintenance, and EMILIN1 inhibits TGF $\beta$ signaling by binding specifically to the proTGF $\beta$ precursor and preventing its maturation by furin convertases in the extracellular space (PMID:19922630).		
				Storage	Storage: Store at -20°C. Avoid exposure to light. Stable for one year after shipment. Storage Buffer: PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3. Aliquoting is unnecessary for -20°C storage		

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free<br/>in USA), or 1(312) 455-8498 (outside USA)E: proteintech@ptglab.comW: ptglab.comW: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data





Immunofluorescent analysis of (4% PFA) fixed human ovary tumor tissue using CoraLite®594 EMILIN1 antibody (CL594-60047, Clone: 2A5C8) at dilution of 1:200. Immunofluorescent analysis of (4% PFA) fixed human ovary tumor tissue using CoraLite®594 EMILIN1 antibody (CL594-60047, Clone: 2A5C8) at dilution of 1:200.