

For Research Use Only

Timp-3 Recombinant antibody

Catalog Number: 83627-1-RR



Basic Information

Catalog Number: 83627-1-RR	GenBank Accession Number: BC014277	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7078	CloneNo.: 240374D8
Source: Rabbit	UNIPROT ID: P35625	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: TIMP metalloproteinase inhibitor 3	
Immunogen Catalog Number: AG34657	Calculated MW: 24 kDa	
	Observed MW: 24-33 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : human placenta tissue,
Species Specificity: human	

Background Information

Timp-3 (TIMP metalloproteinase inhibitor 3), also known as SFD. It is expected to be located in extracellular space, and the protein is enriched in the placenta tissue and fat tissue. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation, and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy. TIMP-3 is expressed as an unglycosylated 24 kDa and glycosylated 29 kDa protein with inhibitory activity against interstitial collagenase, stromelysin-1, and gelatinases A and B (PMID:11827795).

Storage

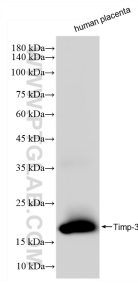
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

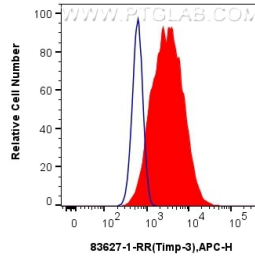
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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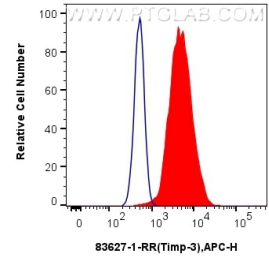
Selected Validation Data



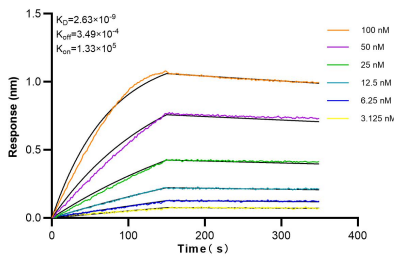
human placenta tissue were subjected to SDS PAGE followed by western blot with 83627-1-RR (Timp-3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 MDA-MB-231 cells were intracellularly stained with 0.25 ug Timp-3 Recombinant antibody (83627-1-RR, Clone:240374D8) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1×10^6 HeLa cells were intracellularly stained with 0.25 ug Timp-3 Recombinant antibody (83627-1-RR, Clone:240374D8) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bi-layer interferometry (BLI) kinetic assays of 83627-1-RR against Human Timp-3 were performed. The affinity constant is 2.63 nM.