

Anti-TIMP3 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9831-Fluoro488

About TIMP3

Metalloproteinase inhibitor 3 is a protein that in humans is encoded by the TIMP3 gene. It is mapped to 22q12.1-q13.2. This gene belongs to the tissue inhibitor of metalloproteinases gene family. 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.

Overview

Product Name	Anti-TIMP3 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P35625

Technical Details

Immunogen	E. coli-derived human TIMP3 recombinant protein (Position: C24-P211). Human TIMP3 shares 97.9% and 97.3% amino acid (aa) sequence identity with mouse and rat TIMP3, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

3 Publications Citing This Product

1. PubMed ID: 33649809, Nie L,Liu M,Chen J,Wu Q,Li Y,Yi J,Zheng X,Zhang J,Chu C,Yang J.Hydrogen sulfide ameliorates doxorubicin-induced myocardial fibrosis in rats via the PI3K/AKT/mTOR pathway.Mol Med Rep.2021 Apr;23(4):299.doi:10.3892/mmr.2021.11938.Epub 2021 Mar 2.PMID:336498

2. PubMed ID: 23819566, Promoter methylation and expression of TIMP3 gene in gastric cancer

3. PubMed ID: 17657847, Bai Yx, Yi Ji, Li Jf, Sui H. World J Gastroenterol. 2007 Jul 28;13(28):3883-5. Clinicopathologic Significance Of Bag1 And Timp3 Expression In Colon Carcinoma.

Visit bosterbio.com/anti-timp3-picoband-trade-antibody-pb9831-boster.html to see all 3 publications.

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