

## Anti-TIMP-3 (Tissue Inhibitor of Metalloproteinase-3) Antibody

Catalog Number: M00477

### About TIMP3

TIMP3 (tissue inhibitor of metalloproteinases 3), along with family members TIMP1, TIMP2, and TIMP4, are inhibitors of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix (ECM). An imbalance between MMPs and the associated TIMPs may play a significant role in the invasive phenotype of malignant tumors. TIMP's inhibit the proteolytic invasiveness of tumor cells and normal placental trophoblast cells. TIMP-3 may be involved in regulating trophoblastic invasion of the uterus as well as in regulating remodeling of the extracellular matrix during the folding of epithelia, and in the formation, branching and expansion of epithelial tubes.

### Overview

Product Name	Anti-TIMP-3 (Tissue Inhibitor of Metalloproteinase-3) Antibody
Reactive Species	Cow, Dog, Human, Mouse, Rat, Horse
Description	Boster Bio Anti-TIMP-3 (Tissue Inhibitor of Metalloproteinase-3) Antibody (Catalog # M00477). Tested in Flow Cytometry, IF, IHC applications. This antibody reacts with Human, Mouse, Rat, Horse, Cow, Dog.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC
Clonality	Polyclonal Clone: GAL1/1831
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Rabbit
Uniprot ID	P35625

### Technical Details

Immunogen	The amino acid sequence (aa175-211), used as the immunogen for <a href="#">TIMP3</a> Ab, is 100% homologous in human, cow, dog and horse, and 94% homologous in Mouse and rat.
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Isotype	IgG
Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from rabbit anti-serum by Protein A.

**Suggested Dilutions**

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

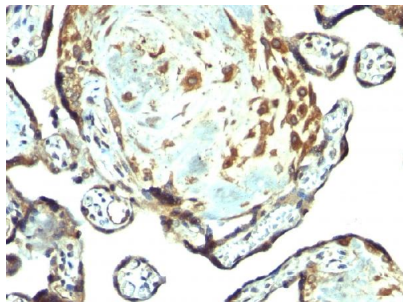
Flow Cytometry (1-2ug/million cells)

Immunofluorescence (1-2ug/ml)

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)

Optimal dilution for a specific application should be determined.

## Anti-TIMP-3 (Tissue Inhibitor of Metalloproteinase-3) Antibody (M00477) Images



Formalin-fixed, paraffin-embedded human placenta stained with Anti-TIMP3 Rabbit Antibody.

## 3 Publications Citing This Product

1. PubMed ID: 10.1111/aji.12361, Effect of Xianziyizhen Recipe Capsule on PGI2/PPARdelta Signaling Pathway in Embryo Implantation Dysfunction Mice
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-timp-3-tissue-inhibitor-of-metalloproteinase-3-antibody-m00477-boster.html](http://bosterbio.com/anti-timp-3-tissue-inhibitor-of-metalloproteinase-3-antibody-m00477-boster.html) to see all 3 publications.

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