

**TIMP1 (aa129-143) Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3664a

**Specification**

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**TIMP1 (aa129-143) Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">P01033</a>
Other Accession	<a href="#">NP_003245.1</a> , <a href="#">7076</a> , <a href="#">116510 (rat)</a>
Reactivity	Human
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	23171

**TIMP1 (aa129-143) Antibody (internal region) - Additional Information**

**Gene ID** 7076

**Other Names**

Metalloproteinase inhibitor 1, Erythroid-potentiating activity, EPA, Fibroblast collagenase inhibitor, Collagenase inhibitor, Tissue inhibitor of metalloproteinases 1, TIMP-1, TIMP1, CLGI, TIMP

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TIMP1 (aa129-143) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**TIMP1 (aa129-143) Antibody (internal region) - Protein Information**

**Name** TIMP1

**Synonyms** CLGI, TIMP

**Function**

Metalloproteinase inhibitor that functions by forming one to one complexes with target metalloproteinases, such as collagenases, and irreversibly inactivates them by binding to their catalytic zinc cofactor. Acts on MMP1, MMP2, MMP3, MMP7, MMP8, MMP9, MMP10, MMP11, MMP12, MMP13 and MMP16. Does not act on MMP14. Also functions as a growth factor that regulates cell

differentiation, migration and cell death and activates cellular signaling cascades via CD63 and ITGB1. Plays a role in integrin signaling. Mediates erythropoiesis in vitro; but, unlike IL3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors.

#### Cellular Location

Secreted

#### Tissue Location

Detected in rheumatoid synovial fluid (at protein level).

### TIMP1 (aa129-143) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### TIMP1 (aa129-143) Antibody (internal region) - Images



AF3664a (0.1 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### TIMP1 (aa129-143) Antibody (internal region) - References

Generation of antibodies recognizing an aberrant glycoform of human tissue inhibitor of metalloproteinase-1 (TIMP-1) using decoy immunization and phage display. Ahn HJ, Kim YS, Lee CH, Cho EW, Yoo HS, Kim SH, Ko JH, Kim SJ. *Biotechnol.* 2011 Jan 20;151(2):225-30. PMID: 21167221