

**TIMP1 Antibody**  
Rabbit mAb  
Catalog # AP91047

## Specification

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### TIMP1 Antibody - Product Information

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P01033</a>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
CLGI; Collagenase inhibitor; EPA; EPO; HCl; Metalloproteinase inhibitor 1; TIMP; TIMP1;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>23171 Da</b>

### TIMP1 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human TIMP1</b>
Description	<b>TIMP1 Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Also mediates erythropoiesis in vitro; but, unlike IL-3, it is species-specific, stimulating the growth and differentiation of only human and murine erythroid progenitors. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-11, MMP-12, MMP-13 and MMP-16.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### TIMP1 Antibody - 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

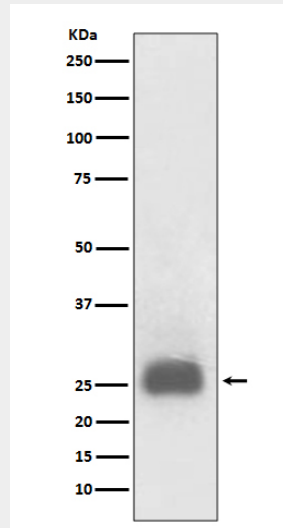
Detected in rheumatoid synovial fluid (at protein level).

### TIMP1 Antibody - 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 Antibody - Images



Western blot analysis of TIMP1 expression in HL60 cell lysate treated with TPA.