

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

Specification

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

Application	WB
Primary Accession	P01033
Other Accession	NP_003245.1 , 7076 , 116510 (rat)
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