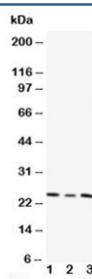


## TIMP4 Antibody (R30263)

Catalog No.	Formulation	Size
R30263	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	Q99727
<b>Localization</b>	Secreted
<b>Applications</b>	Western Blot : 0.5-1ug/ml ELISA : 0.1-0.5ug/ml (human protein tested); request BSA free format for coating
<b>Limitations</b>	This TIMP4 antibody is available for research use only.



Western blot testing of TIMP4 antibody and Lane 1: HT1080; 2: HeLa; 3: SMMC-7721 cell lysate. Predicted/observed molecular weight: ~25 kDa.

## Description

The tissue inhibitors of metalloproteinases (TIMPs) inhibit matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. TIMP4 gene contains 5 exons that span 6 kb of genomic DNA. The gene is expressed as a 1.4-kb transcript abundant in heart and present at low levels in several other tissues. Expressed TIMP4 inhibits MMPs in vitro. TIMP4 gene is mapped to chromosome 3p25. TIMP-4 binds both progelatinase A and the C

domain in a similar manner to that of TIMP-2.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TIMP4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of human TIMP4 (RGHLPLRKEFVDIVQP) was used as the immunogen for this TIMP4 antibody.

## Storage

After reconstitution, the TIMP4 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.