

## Datasheet: AHP2187

<b>Description:</b>	RABBIT ANTI HUMAN TIMP-1
<b>Specificity:</b>	TIMP-1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## Product Details

**RRID** AB\_10842664

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA	▪			0.5 - 2.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**(1) This product requires enzyme mediated antigen retrieval prior to staining of paraffin sections. Proteinase K is recommended for this purpose.**

**Target Species** Human

**Product Form** Purified IgG - lyophilised

**Reconstitution** Reconstitute with 0.1ml distilled water  
Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.

**Antiserum Preparation** Antiserum to human TIMP-1 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative Stabilisers** None present

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml after reconstitution
<b>Immunogen</b>	Recombinant human TIMP-1.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P01033</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7076</a> TIMP1   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CLGI, TIMP
<b>Specificity</b>	<b>Rabbit anti Human TIMP-1 antibody</b> recognizes human TIMP-1 (Tissue Inhibitor of Metalloproteinase -1), a secreted glycoprotein and member of the protease inhibitor I35 (TIMP) family, which is expressed by a wide range of cells, including microvascular endothelial cells, smooth muscle cells, mesangial cells, and some fibroblasts. TIMP-1 acts as a natural extracellular inhibitor of MMPs (matrix metalloproteinases), a group of peptidases involved in degradation of the extracellular matrix, and is also involved in erythropoiesis, through the simulation of the proliferation/differentiation of erythroid progenitors. A correlation between localized concentrations of TIMP-1 and TIMP-3, may determine cell fate, and that increased expression of TIMP-1, may act as an inhibitor/suppressor of invasive cell growth ( <a href="#">Sternlicht and Werb 2001</a> )
<b>ELISA</b>	This purified human TIMP-1 antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with our <a href="#">biotinylated human TIMP-1 antibody</a> (AHP2187B) as the detection reagent.
<b>Storage</b>	Prior to reconstitution store at +4°C. After reconstitution store at -20°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of reconstitution.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10162 available at: 10162: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...)   [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...)   [RPE](#)
- Sheep Anti Rabbit IgG (2AB02...)   [Biotin](#)
- Sheep Anti Rabbit IgG (STAR36...)   [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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