

Datasheet: AHP2187

**BATCH NUMBER 200115**

<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

### 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 parrafin sections. Proteinase K is recomended 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.

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<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative Stabilisers</b>	None present
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<b>Carrier Free</b>	Yes
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<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml after reconstitution
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<b>Immunogen</b>	Recombinant human TIMP-1.
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<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P01033</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">7076</a> TIMP1 <a href="#">Related reagents</a>
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<b>Synonyms</b>	CLGI, TIMP
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<b>RRID</b>	AB_10842664
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<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> )
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<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.
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<b>Storage</b>	Prior to reconstitution store at -20°C. After reconstitution store at -20°C.  This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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<b>Guarantee</b>	12 months from date of despatch
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**Health And Safety Information**      Material Safety Datasheet documentation #10162 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP2187>  
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**Regulatory**                      For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)      [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...)      [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

### Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)  
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M372520:200706'

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