

Datasheet: AHP2187

Description:	RABBIT ANTI HUMAN TIMP-1
Specificity:	TIMP-1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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
Approx. Protein	IgG concentration 1.0mg/ml after reconstitution

Concentrations

Immunogen	Recombinant human TIMP-1
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External Database Links

UniProt:

[P01033](#)

[Related reagents](#)

Entrez Gene:

[7076](#)

TIMP1

[Related reagents](#)

Synonyms

CLGI, TIMP

Specificity

Rabbit anti Human TIMP-1 antibody 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 stimulation 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 ([Sternlicht and Werb 2001](#))

ELISA

This purified human TIMP-1 antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with our [biotinylated human TIMP-1 antibody](#) (AHP2187B) as the detection reagent and [recombinant human TIMP-1](#) (PHP268) as the standard.

Storage

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.

Shelf Life

12 months from date of reconstitution.

Health And Safety Information

Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[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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