

Datasheet: AHP2187

BATCH NUMBER 140715

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 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.

Buffer Solution	Phosphate buffered saline
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Preservative Stabilisers	None present
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Carrier Free	Yes
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Approx. Protein Concentrations	IgG concentration 1.0mg/ml after reconstitution
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Immunogen	Recombinant human TIMP-1.
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External Database Links	UniProt: P01033 Related reagents Entrez Gene: 7076 TIMP1 Related reagents
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Synonyms	CLGI, TIMP
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RRID	AB_10842664
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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 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 (Sternlicht and Werb 2001)
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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.
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Storage	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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Guarantee	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>
10162

Regulatory For research purposes only

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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