

Datasheet: AHP2187B

Description:	RABBIT ANTI HUMAN TIMP-1:Biotin
Specificity:	TIMP-1
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

RRID AB_10848344

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			▪	
ELISA	▪			0.25 - 1.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml

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.

Target Species Human

Product Form Purified IgG conjugated to Biotin - lyophilised

Reconstitution Reconstitute with 0.5ml sterile PBS containing 0.1% bovine serum albumin. 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 Concentrations IgG concentration 0.1mg/ml after reconstitution

Immunogen	Recombinant human TIMP-1.
External Database Links	<p>UniProt: P01033 Related reagents</p> <p>Entrez Gene: 7076 TIMP1 Related reagents</p>
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 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)
ELISA	This biotinylated human TIMP-1 antibody may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with our purified human TIMP-1 antibody (AHP2187) as the capture reagent.
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.
Guarantee	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

North & South America Tel: +1 800 265 7376
 Fax: +1 919 878 3751
 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
 Fax: +44 (0)1865 852 739
 Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21
 Fax: +49 (0) 89 8090 95 50
 Email: antibody_sales_de@bio-rad.com

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Printed on 20 May 2019