

Datasheet: 9013-1008

BATCH NUMBER 110914

Description:	MOUSE ANTI HUMAN TIMP-1
Specificity:	TIMP-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	T2
Isotype:	IgG1
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
ELISA	▪			1/100 - 1/400
Western Blotting	▪			1/100 - 1/400

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
Species Cross Reactivity	Does not react with:Rabbit
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen Human TIMP-1.

External Database

Links

UniProt:

[P01033](#) [Related reagents](#)

Entrez Gene:

[7076](#) TIMP1 [Related reagents](#)

Synonyms

CLGI, TIMP

RRID

AB_2271920

Specificity

Mouse anti Human TIMP-1 antibody, clone T2 recognizes human Metalloproteinase inhibitor 1, also known as TIMP-1, Erythroid-potentiating activity, Fibroblast collagenase inhibitor or Tissue inhibitor of metalloproteinases 1. TIMP-1 is a 207 amino acid ~28 kDa secreted metalloproteinase inhibitor. reacting with both the reduced and non-reduced forms of TIMP-1 ([UniProt: P101033](#)).

TIMP-1 is expressed by a wide range of cells including microvascular endothelial cells, smooth muscle cells, mesangial cells and some fibroblasts. TIMP-1 inhibits matrix metalloproteinase activity by forming complexes via reversible non covalent binding. It is reported to be involved in the control of angiogenesis and tumour growth. Mouse anti Human TIMP-1 antibody, clone T2 has been shown to inhibit biological activity ([Koike et al. 2002](#)).

References

1. Koike, T. *et al.* (2002) MT1-MMP, but not secreted MMPs, influences the migration of human microvascular endothelial cells in 3-dimensional collagen gels. [J Cell Biochem. 86: 748-58](#)

Storage

Store at +4°C or at -20°C if preferred.

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 despatch

Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/9013-1008>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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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
'M363548:200528'

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