

Datasheet: MCA5969GA

BATCH NUMBER 280814

Description:	MOUSE ANTI HUMAN TIMP-2
Specificity:	TIMP-2
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	D08-1D4
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	▪			

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> derived recombinant protein corresponding to aa 27-220 of human TIMP-2
External Database Links	UniProt:

[P16035](#) [Related reagents](#)

Entrez Gene:

[7077](#) TIMP2 [Related reagents](#)

Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
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Specificity	<p>Mouse anti Human TIMP-2, clone D08-1D4, recognizes the human tissue matrix metalloprotease inhibitor (TIMP)-2. TIMP-2 is a member of the TIMP family, which has 4 members (TIMP-1, TIMP-2, TIMP-3, TIMP-4) and consists of 220 amino acids with a molecular weight of 22 kDa.</p> <p>TIMP-2 is a inhibitor of matrix metalloproteases but can also interact with MT1-MMP to enable the cell-surface activation of pro-MMP-2 (Lambert et al. 2004 and Baker et al. 2002). In addition to this, studies suggest that TIMP-2 selectively inhibits the growth of endothelial cells through an MMP-independent mechanism (Murphy et al. 1993 and Moses et al. 1990).</p>
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Further Reading	<ol style="list-style-type: none">1. Baker, A.H. <i>et al.</i> (1998) Divergent effects of tissue inhibitor of metalloproteinase-1, -2, or -3 overexpression on rat vascular smooth muscle cell invasion, proliferation, and death in vitro. TIMP-3 promotes apoptosis. J Clin Invest. 101 (6): 1478-87.2. Moses, M.A. <i>et al.</i> (1990) Identification of an inhibitor of neovascularization from cartilage. Science. 248 (4961): 1408-10.3. Murphy, A.N. <i>et al.</i> (1993) Tissue inhibitor of metalloproteinases-2 inhibits bFGF-induced human microvascular endothelial cell proliferation. J Cell Physiol. 157 (2): 351-8.4. Lambert, E. <i>et al.</i> (2004) TIMPs as multifacial proteins. Crit Rev Oncol Hematol. 49 (3): 187-98.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
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Guarantee	12 months from date of despatch
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Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA5969GA</p> <p>10040</p>
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

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

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [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 (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [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
'M368534:200529'

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