

Datasheet: 9010-5059

BATCH NUMBER 173249

Description:	MOUSE ANTI HUMAN CD142
Specificity:	CD142
Other names:	TISSUE FACTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	TF9-10H10
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
Flow Cytometry	▪			
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Western Blotting	▪			
Immunofluorescence	▪			

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 the appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	<p>Reacts with: Primate</p> <p>Does not react with: Rabbit</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid

Preparation	Purified IgG prepared by affinity chromatography on Protein G from ascites.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃) 100 mM Mannitol
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Denatured Tissue factor isolated from human brain by the Factor VII affinity method (Guha et al. 1986).
External Database Links	<p>UniProt: P13726 Related reagents</p> <p>Entrez Gene: 2152 F3 Related reagents</p>
RRID	AB_620060
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the P3Ag8.653.1myeloma cell line.
Specificity	<p>Mouse anti Human CD142 antibody, clone TF9-10H10 recognizes human CD142, also known as Tissue Factor, is the membrane receptor for coagulation factors VII and VIIa and is the cell surface initiator of coagulation. It is the major molecule of this type and is critical for controlling hemostasis, thrombosis and inflammation.</p> <p>Mouse anti Human CD142 antibody, clone TF9-10H10 recognizes an epitope within the extracellular domain, epitope locus I. It recognizes both the reduced and native non-reduced human and primate tissue factors. It does not inhibit coagulation or neutralize factor VII binding to CD142.</p>
References	<ol style="list-style-type: none"> Morrissey, J.H. <i>et al.</i> (1988) Monoclonal antibody analysis of purified and cell-associated tissue factor. Thromb Res. 52 (3): 247-61. Drake, T.A. <i>et al.</i> (1989) Selective cellular expression of tissue factor in human tissues. Implications for disorders of hemostasis and thrombosis. Am J Pathol. 134 (5): 1087-97. Ruf, W. <i>et al.</i> (1991) Antibody mapping of tissue factor implicates two different exon-encoded regions in function. Biochem J. 278 (Pt 3): 729-33. Mueller, B.M. <i>et al.</i> (1992) Expression of tissue factor by melanoma cells promotes efficient hematogenous metastasis. Proc Natl Acad Sci U S A. 89 (24): 11832-6. Stearns-Kurosawa, D.J. <i>et al.</i> (2006) Sepsis and pathophysiology of anthrax in a nonhuman primate model. Am J Pathol. 169 (2): 433-44. Agmon-Levin, N. <i>et al.</i> (2011) Vitamin D: an instrumental factor in the anti-phospholipid syndrome by inhibition of tissue factor expression. Ann Rheum Dis. 70: 145-50.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at

-20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10047 available at: https://www.bio-rad-antibodies.com/SDS/9010-5059
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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...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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