

Datasheet: 9010-5059

**BATCH NUMBER 155858**

<b>Description:</b>	MOUSE ANTI HUMAN CD142
<b>Specificity:</b>	CD142
<b>Other names:</b>	TISSUE FACTOR
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	TF9-10H10
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Primate</p> <p>Does not react with: Rabbit</p> <p><b>N.B.</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>
<b>Product Form</b>	Purified IgG - liquid

<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from ascites.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 100 mM Mannitol
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Denatured Tissue factor isolated from human brain by the Factor VII affinity method ( <a href="#">Guha et al. 1986</a> ).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P13726</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">2152</a> F3    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_620060
<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mice were fused with cells of the P3Ag8.653.1myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Human CD142 antibody, clone TF9-10H10</b> 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><b>Mouse anti Human CD142 antibody, clone TF9-10H10</b> 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>
<b>References</b>	<ol style="list-style-type: none"> <li>Morrissey, J.H. <i>et al.</i> (1988) Monoclonal antibody analysis of purified and cell-associated tissue factor. <a href="#">Thromb Res. 52 (3): 247-61.</a></li> <li>Contrino, J. <i>et al.</i> (1994) <i>In situ</i> characterization of antigenic and functional tissue factor expression in human tumors utilizing monoclonal antibodies and recombinant factor VIIa as probes. <a href="#">Am J Pathol. 145 (6): 1315-22.</a></li> <li>Drake, T.A. <i>et al.</i> (1989) Selective cellular expression of tissue factor in human tissues. Implications for disorders of hemostasis and thrombosis. <a href="#">Am J Pathol. 134 (5): 1087-97.</a></li> <li>Stearns-Kurosawa, D.J. <i>et al.</i> (2006) Sepsis and pathophysiology of anthrax in a nonhuman primate model. <a href="#">Am J Pathol. 169 (2): 433-44.</a></li> <li>Mueller, B.M. <i>et al.</i> (1992) Expression of tissue factor by melanoma cells promotes efficient hematogenous metastasis. <a href="#">Proc Natl Acad Sci U S A. 89 (24): 11832-6.</a></li> <li>Agmon-Levin, N. <i>et al.</i> (2011) Vitamin D: an instrumental factor in the anti-phospholipid syndrome by inhibition of tissue factor expression. <a href="#">Ann Rheum Dis. 70: 145-50.</a></li> </ol>

7. Ruf, W. *et al.* (1991) Antibody mapping of tissue factor implicates two different exon-encoded regions in function. [Biochem J. 278 \( Pt 3\): 729-33.](#)

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<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10047 available at: <a href="https://www.bio-rad-antibodies.com/SDS/9010-5059">https://www.bio-rad-antibodies.com/SDS/9010-5059</a> 10047
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight@488</a> , <a href="#">DyLight@550</a> , <a href="#">DyLight@650</a> , <a href="#">DyLight@680</a> , <a href="#">DyLight@800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>

### Recommended Negative Controls

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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'M373059:200818'

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