



# DATA SHEET

## Datasheet: 9010-5059

<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.

	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

Reacts with: Primate

Does not react with: Rabbit

**N.B.** Antibody reactivity and working conditions may vary between species.

### Product Form

Purified IgG - liquid

### Preparation

Purified IgG prepared by affinity chromatography on Protein G.

### Buffer Solution

Phosphate buffered saline

### Preservative

0.09% Sodium Azide (NaN<sub>3</sub>)

### Stabilisers

200 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.

<b>Fusion Partners</b>	Spleen cells from immunised Balb/c mice were fused with cells of the P3Ag8.653.1myeloma cell line.
<b>Specificity</b>	<p>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>9010-5059 is specific for 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>1. Morrissey, J. H. <i>et al.</i> (1988) Monoclonal antibody analysis of purified and cell-associated tissue factor. <a href="#">Thromb. Res. 52: 247-261.</a></li><li>2. Contrino, J. <i>et al.</i> (1994) In situ 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: 1315-1322.</a></li><li>3. 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: 1087-1097.</a></li><li>4. 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: 433-444.</a></li><li>5. 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: 11832-11836.</a></li></ol>
<b>Storage</b>	<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>
<b>Shelf Life</b>	18 months from date of despatch.

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