Datasheet: 9010-5059

**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

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunofluorescence</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 Stabilisers

0.09% Sodium Azide (NaN₃)

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 (Guha et al. 1986).

**External Database Links**
- UniProt: P13726
- Entrez Gene: 2152

**Fusion Partners**
Spleen cells from immunised Balb/c mice were fused with cells of the P3Ag8.653.1 myeloma cell line.

**Specificity**
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.

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.

**References**

**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.

**Shelf Life**
18 months from date of despatch.

**Health And Safety Information**

**Regulatory**
For research purposes only
Related Products

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG (STAR76...) RPE
- Goat Anti Mouse IgG (STAR77...) HRP
- Rabbit Anti Mouse IgG (STAR9...) FITC
- Rabbit Anti Mouse IgG (STAR13...) HRP
- HuCAL Anti Mouse IgG1 (HCA036...) HRP
- Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®800, FITC, HRP
- Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
- Goat Anti Mouse IgG (STAR70...) FITC
- Rabbit Anti Mouse IgG (STAR8...) DyLight®800
- Rabbit Anti Mouse IgG (STAR12...) RPE
- Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP

**Recommended Negative Controls**

- MOUSE IgG1 NEGATIVE CONTROL (MCA928)

---

North & South America Tel: +1 800 265 7376 Worldwide Tel: +44 (0)1865 852 700 Europe Tel: +49 (0) 89 8090 95 21
Fax: +1 919 878 3751 Fax: +44 (0)1865 852 739 Fax: +49 (0) 89 8090 95 50
Email: abd_sales_us@bio-rad.com Email: abd_sales_uk@bio-rad.com Email: abd_sales_de@bio-rad.com

'M262032:141013'

Printed on 18 Dec 2015