Datasheet: MCA1557T

Description: MOUSE ANTI HUMAN CD105
Specificity: CD105
Other names: ENDOGLIN
Format: Purified
Product Type: Monoclonal Antibody
Clone: SN6
Isotype: IgG1
Quantity: 25 µg

Product Details

Applications

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>1/10 - 1/50</td>
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<td>Immunohistology - Frozen (1)</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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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.

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1) The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

Target Species

Human

Species Cross Reactivity

Reacts with: Horse, Cynomolgus monkey, Rhesus Monkey
Based on sequence similarity, is expected to react with: Primate

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 from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
Carrier Free: Yes

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Immunogen: Partially purified cell membrane antigens from fresh leukemia cells

External Database Links:
- UniProt: P17813
- Entrez Gene: 2022 ENG

Synonyms: END

Fusion Partners: Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3/NS1/1-Ag4-1 myeloma cell line

Specificity: Mouse anti Human CD105 antibody, clone SN6 recognizes the human endoglin, also known as CD105. CD105 is a glycoprotein homodimer of ~95 kDa subunits expressed by endothelial cells, activated monocytes and some leukemia cells.

Flow Cytometry: Use 10ul of the suggested working dilution to label $10^6$ cells in 100ul.

References:

Further Reading

Storage
Store at +4°C or at -20°C if preferred.

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**
Material Safety Datasheet documentation #10040 available at:

**Regulatory**
For research purposes only

### Related Products

#### Recommended Secondary Antibodies

- **Goat Anti Mouse IgG IgA IgM** (STAR87...)
  - Alk. Phos.
  - HRP

- **Goat Anti Mouse IgG** (STAR77...)
  - HRP

- **Rabbit Anti Mouse IgG** (STAR12...)
  - RPE

- **Rabbit Anti Mouse IgG** (STAR8...)
  - DyLight®800

- **Rabbit Anti Mouse IgG** (STAR13...)
  - HRP

- **Goat Anti Mouse IgG** (STAR76...)
  - RPE

- **Goat Anti Mouse IgG** (STAR70...)
  - FITC

- **Goat Anti Mouse IgG (H/L)** (STAR117...)
  - Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP

- **Goat Anti Mouse IgG (Fc)** (STAR120...)
  - FITC, HRP

- **Rabbit Anti Mouse IgG** (STAR9...)
  - FITC

- **Human Anti Mouse IgG1** (HCA036...)
  - HRP

#### Recommended Negative Controls

- **MOUSE IgG1 NEGATIVE CONTROL (MCA928)**

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