Product datasheet

Anti-CD105 antibody [MEM-229] (FITC) ab53318

12 References

Overview

Product name  Anti-CD105 antibody [MEM-229] (FITC)
Description  Mouse monoclonal [MEM-229] to CD105 (FITC)
Host species  Mouse
Conjugation  FITC. Ex: 493nm, Em: 528nm
Tested applications  Suitable for: ICC, WB, IHC-Fr, Flow Cyt
Species reactivity  Reacts with: Human, Pig
Immunogen  Recombinant vaccinia virus containing human CD105 (L-isoform) cDNA

Properties

Form  Liquid
Storage instructions  Shipped at 4°C. Store at +4°C.
Storage buffer  Preservative: 0.097% Sodium azide
Constituents: 0.2% BSA, PBS
Purity  Protein A purified
Purification notes  The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use.
Clonality  Monoclonal
Clone number  MEM-229
Isotype  IgG2a

Applications

Our Abpromise guarantee covers the use of ab53318 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICC</td>
<td>Use at an assay dependent concentration.</td>
<td></td>
</tr>
</tbody>
</table>
**Function**

Major glycoprotein of vascular endothelium. May play a critical role in the binding of endothelial cells to integrins and/or other RGD receptors.

**Tissue specificity**

Endoglin is restricted to endothelial cells in all tissues except bone marrow.

**Involvement in disease**

Defects in ENG are the cause of hereditary hemorrhagic telangiectasia type 1 (HHT1) [MIM:187300, 108010]; also known as Osler-Rendu-Weber syndrome 1 (ORW1). HHT1 is an autosomal dominant multisystemic vascular dysplasia, characterized by recurrent epistaxis, muco-cutaneous telangiectases, gastro-intestinal hemorrhage, and pulmonary (PAVM), cerebral (CAVM) and hepatic arteriovenous malformations; all secondary manifestations of the underlying vascular dysplasia. Although the first symptom of HHT1 in children is generally nose bleed, there is an important clinical heterogeneity.

**Cellular localization**

Membrane.

---

**Application**

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use at an assay dependent concentration. Use under non reducing condition. Predicted molecular weight: 71 kDa.</td>
</tr>
<tr>
<td>IHC-Fr</td>
<td></td>
<td>1/200. Fix with acetone.</td>
</tr>
<tr>
<td>Flow Cyt</td>
<td></td>
<td>Use 20µl for 10⁶ cells. Or 100µl of whole blood. ab91362 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.</td>
</tr>
</tbody>
</table>

---

**Target**

**Function**

Major glycoprotein of vascular endothelium. May play a critical role in the binding of endothelial cells to integrins and/or other RGD receptors.

**Tissue specificity**

Endoglin is restricted to endothelial cells in all tissues except bone marrow.

**Involvement in disease**

Defects in ENG are the cause of hereditary hemorrhagic telangiectasia type 1 (HHT1) [MIM:187300, 108010]; also known as Osler-Rendu-Weber syndrome 1 (ORW1). HHT1 is an autosomal dominant multisystemic vascular dysplasia, characterized by recurrent epistaxis, muco-cutaneous telangiectases, gastro-intestinal hemorrhage, and pulmonary (PAVM), cerebral (CAVM) and hepatic arteriovenous malformations; all secondary manifestations of the underlying vascular dysplasia. Although the first symptom of HHT1 in children is generally nose bleed, there is an important clinical heterogeneity.

**Cellular localization**

Membrane.

---

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

---

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

---

**Terms and conditions**

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors