Product datasheet

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

11 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>
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</thead>
<tbody>
<tr>
<td>ICC</td>
<td></td>
<td>Use at an assay dependent concentration.</td>
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</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.

Target

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</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>1/200</td>
<td>Fix with acetone.</td>
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<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>
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