

Product datasheet

Anti-CD105 antibody [MJ7/18] (PE) ab93567

6 References 1 Image

Overview

<b>Product name</b>	Anti-CD105 antibody [MJ7/18] (PE)
<b>Description</b>	Rat monoclonal [MJ7/18] to CD105 (PE)
<b>Host species</b>	Rat
<b>Conjugation</b>	PE. Ex: 488nm, Em: 575nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Tissue/ cell preparation: inflamed Mouse skin.
<b>Positive control</b>	Mouse brain derived endothelial (bEnd.3) cells and splenocytes

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.09% Sodium azide Constituent: PBS
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	MJ7/18
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab93567** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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Flow Cyt

Use 0.25-0.5µg for 10<sup>5-8</sup> cells.

[ab134674](#) - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

## 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.

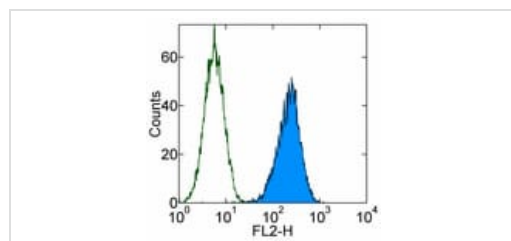
### Involvement in disease

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.

## Images



Staining of bEnd.3 cells with 0.25 µg of PE Rat IgG2a Isotype Control (open histogram) or 0.25 µg of ab93567 (colored histogram). Total viable cells were used for analysis.

Flow Cytometry - Anti-CD105 antibody [MJ7/18]  
(Phycoerythrin) (ab93567)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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