

Product datasheet

Anti-CD105 antibody [MEM-229] (Phycoerythrin)
ab53321

6 References 1 Image

Overview

Product name	Anti-CD105 antibody [MEM-229] (Phycoerythrin)
Description	Mouse monoclonal [MEM-229] to CD105 (Phycoerythrin)
Host species	Mouse
Conjugation	Phycoerythrin. Ex: 488nm, Em: 575nm
Tested applications	Suitable for: WB, IHC-Fr, ICC, 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: 15mM Sodium Azide Constituents: 0.2% BSA, PBS
Purity	Size exclusion
Clonality	Monoclonal
Clone number	MEM-229
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab53321** 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
WB		Use at an assay dependent concentration. Use under non reducing condition. Predicted molecular weight: 71 kDa.

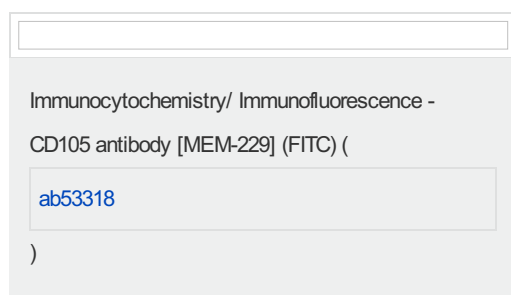
Application	Abreviews	Notes
IHC-Fr		1/200. Fix with acetone.
ICC		Use at an assay dependent concentration.
Flow Cyt		Use 20µl for 10 ⁶ cells. (or 100µl of whole blood).

[ab91363](#) - Mouse 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



[ab53318](#) staining CD105 in infarcted porcine heart by Immunohistochemistry (Frozen sections). Cell nuclei were counterstained blue with DAPI.

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 <http://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