


Product datasheet

PerCP/Cy5.5® Anti-CD105 antibody [MEM-229] ab234265

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Overview

Product name	PerCP/Cy5.5® Anti-CD105 antibody [MEM-229]
Description	PerCP/Cy5.5® Mouse monoclonal [MEM-229] to CD105
Host species	Mouse
Conjugation	PerCP/Cy5.5®. Ex: 482nm, Em: 690nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Pig  Does not react with: Horse, Dog
Immunogen	Tissue, cells or virus corresponding to Human CD105. Recombinant Vaccinia virus containing the human CD105 (L-isoform) cDNA.
Positive control	Flow cyt: HUVEC cells.
General notes	<p>This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5, 268, 486 and related patents. Cy® and CyDye® are trademarks of Cytiva.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.0975% Sodium azide Constituent: PBS
Purity	Size exclusion

Purification notes	The purified antibody is conjugated with tandem dye PerCP-Cy™5.5 under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Clonality	Monoclonal
Clone number	MEM-229
Isotype	IgG2a

Applications

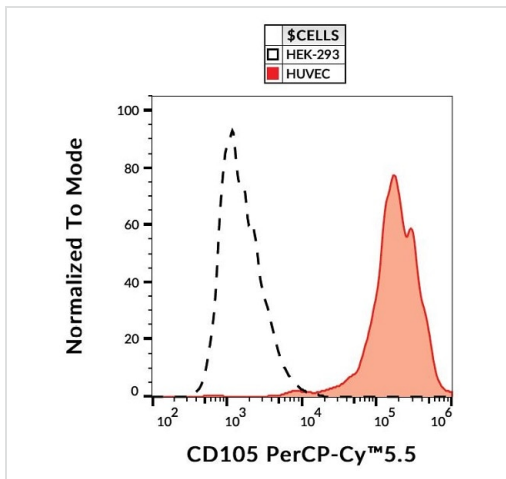
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab234265 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 4µl for 10 ⁶ cells. (or 100 µL whole blood)

Target

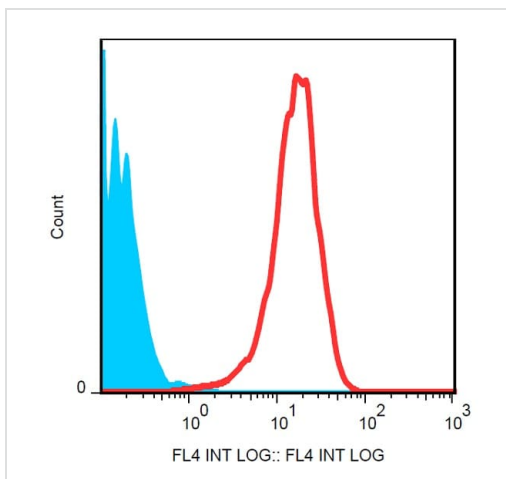
Function	Major glycoprotein of vascular endothelium. May play a critical role in the binding of endothelial cells to integrins and/or other RGD receptors.
Tissue specificity	Endoglin is restricted to endothelial cells in all tissues except bone marrow.
Involvement in disease	Defects in ENG are the cause 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



Flow Cytometry - PerCP/Cy5.5® Anti-CD105 antibody [MEM-229] (ab234265)

Surface staining of CD105 on Huvec cells with ab234265 at 1/25 dilution



Flow Cytometry - PerCP/Cy5.5® Anti-CD105 antibody [MEM-229] (ab234265)

Flow cytometric analysis of HUVEC (human umbilical vein endothelial cell line) cells, labeling CD105 with ab234265 at 4 μ L per 10^6 cells (red) compared to a negative control (blue). Gated on HUVEC cells.

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