

Product datasheet

Anti-CD34 antibody [ICO-115] (PE) ab187284

14 References 1 Image

Overview

<b>Product name</b>	Anti-CD34 antibody [ICO-115] (PE)
<b>Description</b>	Mouse monoclonal [ICO-115] to CD34 (PE)
<b>Host species</b>	Mouse
<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> Human
<b>Immunogen</b>	Tissue, cells or virus corresponding to Human CD34. Blast cells of a chronic myeloid leukemia patient. Database link: <a href="#">P28906</a>
<b>Positive control</b>	KG-1 cells, Tonsil, or Angiosarcoma
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&amp;As.</p>

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at 4°C or -20°C. Store In the Dark.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.05% BSA
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	ICO-115
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

Our [Abpromise guarantee](#) covers the use of **ab187284** in the following tested applications.

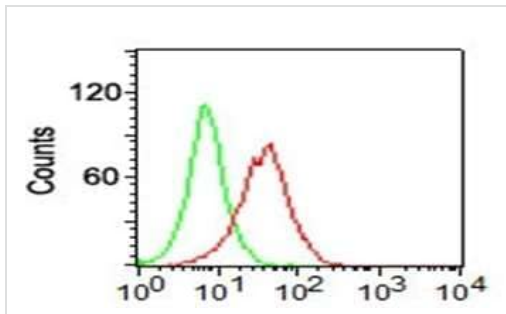
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 5µl for 10 <sup>6</sup> cells. <a href="#">ab91357</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## Target

<b>Function</b>	Possible adhesion molecule with a role in early hematopoiesis by mediating the attachment of stem cells to the bone marrow extracellular matrix or directly to stromal cells. Could act as a scaffold for the attachment of lineage specific glycans, allowing stem cells to bind to lectins expressed by stromal cells or other marrow components. Presents carbohydrate ligands to selectins.
<b>Tissue specificity</b>	Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues.
<b>Sequence similarities</b>	Belongs to the CD34 family.
<b>Developmental stage</b>	On early hematopoietic progenitor cells.
<b>Post-translational modifications</b>	Highly glycosylated. Phosphorylated on serine residues by PKC.
<b>Cellular localization</b>	Membrane.

## Images



Flow Cytometry - Anti-CD34 antibody [IC0-115]  
(Phycoerythrin) (ab187284)

Surface flow cytometric analysis of CD34 on KG-1 cells using 5  $\mu$ l ab187284 per one million cells (red) and isotype control antibody (green).

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

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