

## Product datasheet

# PerCP/Cy5.5® Anti-CD34 antibody [581], prediluted ab157325

[1 Image](#)

### Overview

<b>Product name</b>	PerCP/Cy5.5® Anti-CD34 antibody [581], prediluted
<b>Description</b>	PerCP/Cy5.5® Mouse monoclonal [581] to CD34, prediluted
<b>Host species</b>	Mouse
<b>Conjugation</b>	PerCP/Cy5.5®. Ex: 482nm, Em: 690nm
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human, Non human primates <b>Does not react with:</b> Sheep
<b>Immunogen</b>	The details of the immunogen for this antibody are not available.
<b>Epitope</b>	Extracellular part of the antigen; class III epitope
<b>Positive control</b>	Human blood cells.
<b>General notes</b>	<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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.4 Preservative: 0.1% Sodium azide Constituents: 0.2% BSA, 99% PBS
<b>Purity</b>	Size exclusion
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	581

## Applications

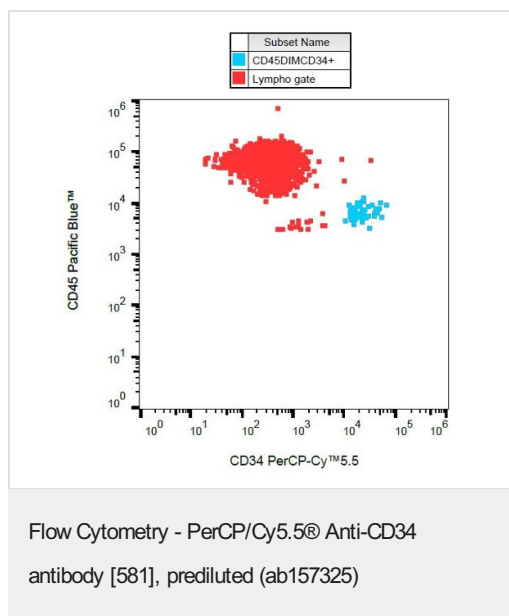
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab157325 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 4µl for 10 <sup>6</sup> cells. Or 100µl of whole blood. <b>ab157226</b> - 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 analysis of Human peripheral blood cells labeling CD34 with Anti-CD34 antibody [581], prediluted (PerCP/Cy5.5®) (ab157325).

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

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