

## Product datasheet

### PE Anti-CD34 antibody [4H11(APG)], prediluted ab18228

★★★★★ [1 Abreviews](#) [2 References](#) [1 Image](#)

#### Overview

<b>Product name</b>	PE Anti-CD34 antibody [4H11(APG)], prediluted
<b>Description</b>	PE Mouse monoclonal [4H11(APG)] to CD34, prediluted
<b>Host species</b>	Mouse
<b>Conjugation</b>	PE. Ex: 488nm, Em: 575nm
<b>Specificity</b>	The antibody reacts with Class III epitope on CD34 antibody. It completely blocks binding of Class II antibody QBEnd10 and Class III antibodies BIRMA K3 and 8G12 on KG1a cell line
<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. Permanent human cell line derived from peripheral leucocytes of a patient suffering from chronic myeloid leukaemia
<b>Positive control</b>	CML cell line MOLM-7.
<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: 7.40 Preservative: 0.097% Sodium azide Constituents: PBS, BSA
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Conjugate purified by size-exclusion chromatography.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	4H11(APG)

Isotype

IgG1

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab18228 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	★★★★★ (1)	Use 20µl for 10 <sup>6</sup> cells. A cell suspension volume of 100 µl is recommended.  ab01357 Mouse monoclonal IgG1 is suitable for use as an

## Target

### Function

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.

### Tissue specificity

Selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues.

### Sequence similarities

Belongs to the CD34 family.

### Developmental stage

On early hematopoietic progenitor cells.

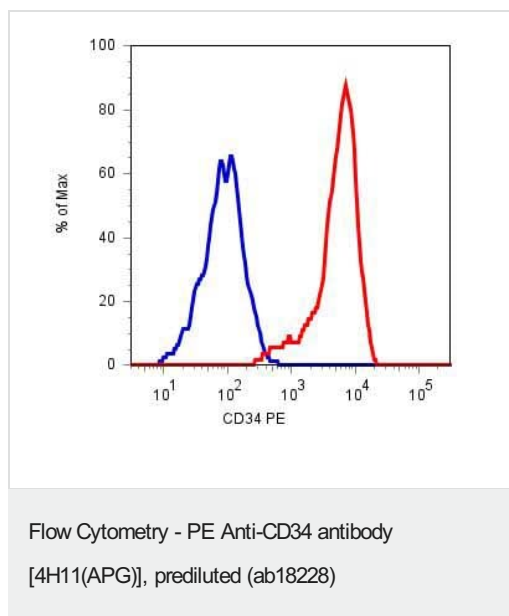
### Post-translational modifications

Highly glycosylated.  
Phosphorylated on serine residues by PKC.

### Cellular localization

Membrane.

## Images



ab18228 staining CD34 in KG-1a cell line by Flow Cytometry.  
Blue peak represents negative control while red peak shows signal with ab18228.

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

### 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 <https://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