

FITC Anti-CD34 antibody [4H11[APG]] ab18227

[9 References](#) [1 Image](#)

Overview

Product name	FITC Anti-CD34 antibody [4H11[APG]]
Description	FITC Mouse monoclonal [4H11[APG]] to CD34
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human CD34. Permanent human cell line derived from peripheral leucocytes of a patient suffering from chronic myeloid leukaemia
Epitope	Class III epitope on CD34 antigen.
Positive control	Human blood cells.
General notes	<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.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide Constituents: PBS, BSA
Purification notes	Purified
Clonality	Monoclonal
Clone number	4H11[APG]
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab18227 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		

Application notes

Flow Cyt: Use 20 µl reagent / 100 µl sample.

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

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

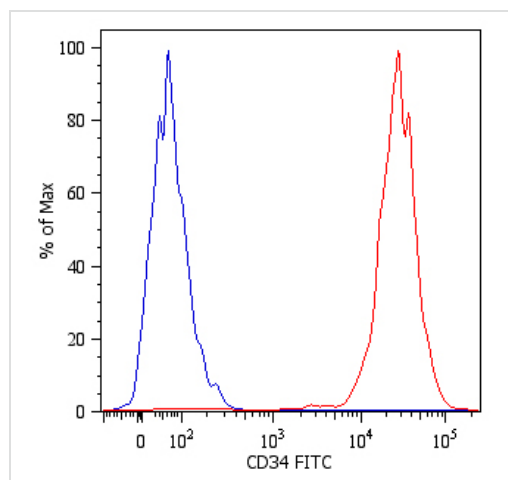
Highly glycosylated.

Phosphorylated on serine residues by PKC.

Cellular localization

Membrane.

Images



Surface staining of Kg-1a human acute myelogenous leukemia cell line with anti-human CD34 (4H11[APG]) FITC (ab18227). Total viable cells were used for analysis.

ab18227 was used at a recommended dilution of 2 µg/ml.

Flow Cytometry - FITC Anti-CD34 antibody
[4H11[APG]] (ab18227)

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

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