abcam

ab78165

FITC Anti-CD34 antibody [QBEND/10]

Anti-CD34 antibody [QBEND/10] conjugated to FITC - suitable for flow cytometry, and reacts with human samples. Clone [QBEND/10] is a mouse monoclonal antibody cited in 35 publications.

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Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	FITC
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	Preservative: 0.065% Sodium azide Constituents: PBS, 0.1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Cell preparation containing CD34 protein. The exact immunogen used to generate this antibody is proprietary information. Database link P28906
Clone number	QBEND/10
Purification technique	Affinity purification Protein G
Specificity	ab78165 recognizes CD34, a heavily glycosylated transmembrane protein, gp 105-120 kDa, expressed on immature human haemopoietic precursor cells, capillary endothelial cells and human myeloid cells in the following categories: subsets of CFU-GEMM and BFU-E, all CFU-GM, granulocyte precursors, monocytes, myeloid leukaemias. ab78165 recognizes the class II epitope showing resistance to neuraminidase enzyme cleavage.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1/10
Notes	Use 10µl of the suggested working dilution to label 10^6 cells in 100µl. ab91356 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Not recommended

Species	Rat, Dog, Cow, Sheep
Dilution info	-
Notes	-

Target data

See full target information CD34

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.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

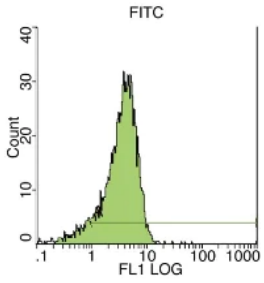
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

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1 product image



Flow Cytometry - FITC Anti-CD34 antibody [QBEND/10] (ab78165)

CD34 Flow Cytometry staining using mouse Anti-CD34 antibody

Log fluorescence intensity profile of KG-1 cell line stained with ab78165 at 10ul per test.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.