abcam

ab119840

PerCP Anti-CD34 antibody [581]

Anti-CD34 antibody [581] conjugated to PerCP - suitable for flow cytometry, and reacts with human samples. Clone [581] is a mouse monoclonal antibody and one of the most commonly used clones for flow cytometry.

Design your panel with our interactive flow cytometry panel builder. Click here.

Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	PerCP
Excitation/Emission	Ex: 490nm, Em: 675nm
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituents: PBS, 0.2% BSA
Form	Liquid
Clonality	Monoclonal
Clone number	581
Purification technique	Size-exclusion chromatography
Specificity	ab119840 recognizes the class III CD34 epitope resistant to neuraminidase, chymopapain and glycoprotease.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	10 µL for 10^6 Cells

Notes	ab118658 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

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

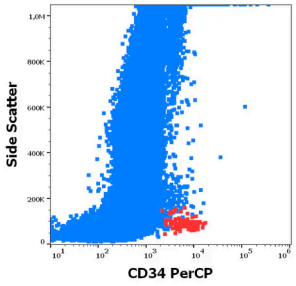
We do not recommend this combination. It is not covered by our product promise.

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.

Full details and terms and conditions can be found here:
Terms & Conditions.

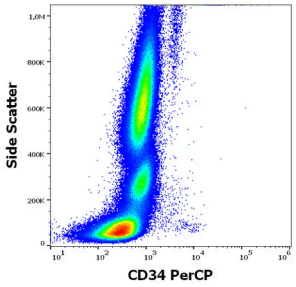
3 product images



Flow Cytometry - PerCP Anti-CD34 antibody [581] (ab119840)

CD34 Flow Cytometry staining of Human peripheral whole blood using mouse Anti-CD34 antibody

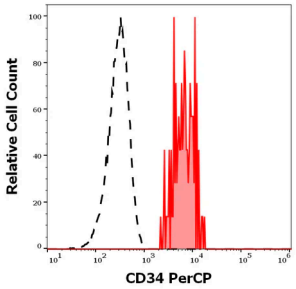
Flow cytometry surface staining pattern of human peripheral whole blood showing CD34 positive stem cells (red) stained using anti-human CD34 (581) PerCP antibody (concentration in sample 0.56 µg/ml).



Flow Cytometry - PerCP Anti-CD34 antibody [581] (ab119840)

CD34 Flow Cytometry staining of Human peripheral whole blood using mouse Anti-CD34 antibody

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD34 (581) PerCP antibody (concentration in sample 0.56 µg/ml).



Flow Cytometry - PerCP Anti-CD34 antibody [581] (ab119840)

CD34 Flow Cytometry staining of Human peripheral whole blood using mouse Anti-CD34 antibody

Separation of human CD34 positive stem cells (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD34 (581) PerCP antibody (concentration in sample 0.56 µg/ml).

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