abcam

ab187568

Alexa Fluor® 488 Anti-CD34 antibody [4H11]

Anti-CD34 antibody [4H11] conjugated to Alexa Fluor® 488 - suitable for flow cytometry, ICC/IF, and reacts with human samples. Clone [4H11] is a mouse monoclonal antibody cited in 82 publications.

Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	Alexa Fluor® 488
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	pH: 7.4 Preservative: 0.097% Sodium azide Constituents: PBS, 0.2% 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	4H11
Purification technique	Size-exclusion chromatography
Epitope	ab187568 reacts with Class III epitope on CD34.
Purification notes	ab187568 is conjugated with Alexa Fluor® 700 under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	4 µL for 10^6 Cells
Notes	4 µl reagent / 100 µl of whole blood.

ICC/IF

Tested

Species	Human
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
Storage information	Store in the dark

Notes

ab187568 completely blocks binding of Class II antibody QBEnd10 and Class III antibodies BIRMA K3 and 8G12 on KG1a cell line.

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

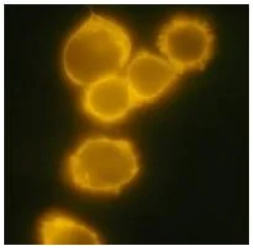
We do not recommend this combination. It is not covered by our product promise.

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.

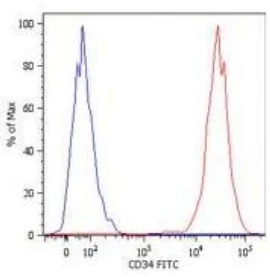
2 product images



Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 488 Anti-CD34 antibody [4H11] (ab187568)

CD34 Immunocytochemistry/ Immunofluorescence staining of Human chronic myeloid leukemia cell line MOLM-7 using mouse Anti-CD34 antibody

Immunocytochemistry/ Immunofluorescence analysis of Human chronic myeloid leukemia cell line MOLM-7 labeling CD34 with ab187568.



Flow Cytometry - Alexa Fluor® 488 Anti-CD34 antibody [4H11] (ab187568)

CD34 Flow Cytometry staining of Kg-1a Human acute myelogenous leukemia cell line using mouse Anti-CD34 antibody

Flow Cytometry analysis of Kg-1a Human acute myelogenous leukemia cell line labeling CD34 with ab187568 at 4 µl per 106 cells.

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