abcam

ab245689

Anti-CD34 antibody [My10]

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	Preservative: 0.02% Proclin 300 Constituents: PBS
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	My10
Purification technique	Affinity purification Protein A
Light chain type	kappa
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IHC-P

Tested

Species	Human
Dilution info	2-4 µg/mL

Notes	Microwave. Perform heat-mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Flow Cyt

Tested

Species	Human
Dilution info	1 µg/mL
Notes	-

WB

Tested

Species	Human
Dilution info	0.1 µg/mL
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 duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C

Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

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

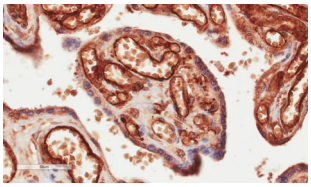
We do not recommend this combination. It is not covered by our product promise.

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.

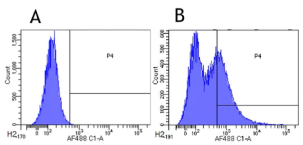
3 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD34 antibody [My10] (ab245689)

CD34 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-CD34 antibody

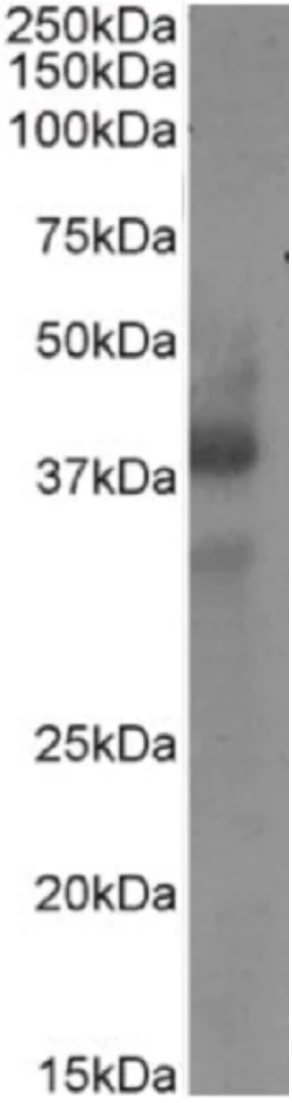
Paraffin embedded human placenta tissue stained for CD34 with ab245689 at 4 µg/ml for 30 mins in immunohistochemical analysis. Samples were then incubated with an anti-rabbit IgG HRP secondary antibody for 20 mins followed by DAB (3,3′-diaminobenzidine), and counterstaining with hemotoxylin.



Flow Cytometry - Anti-CD34 antibody [My10] (ab245689)

CD34 Flow Cytometry staining using rabbit Anti-CD34 antibody

Human leukocytes were stained with an isotype control (Panel A) or ab245689 (Panel B) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using an AF488 conjugated donkey anti-rabbit antibody (ab150073).



Western blot - Anti-CD34 antibody [My10] (ab245689)

10% SDS PAGE gel.
Detected by chemiluminescence.

All lanes:
Western blot - Anti-CD34 antibody [My10] (ab245689) at 0.1 µg/mL

All lanes:
Jurkat (Human T cell leukemia cell line from peripheral blood) cell lysate in RIPA buffer at 35 µg

Predicted band size: 40 kDa

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