abcam

ab35038

FITC Anti-CD34 antibody [1H6]

Anti-CD34 antibody [1H6] conjugated to FITC - suitable for flow cytometry, and reacts with dog samples. Clone [1H6] is a mouse monoclonal antibody cited in 44 publications.

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Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	FITC
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	pH: 7.4 Preservative: 0.09% Sodium azide Constituents: PBS, 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Protein within Dog CD34. The exact immunogen used to generate this antibody is proprietary information. Database link Q28270
Clone number	1H6
Purification technique	Affinity purification Protein G
Specificity	Ab35038 is specific for CD34, a cell surface antigen expressed by endothelial cells and haematopoietic stem cells.
Concentration	0.1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	This antibody was purified from tissue culture supernatant.

Reactivity data

Flow Cyt

Expected

Species	Dog
Dilution info	-
Notes	Use 10ul for 10^6 cells in 100ul. ab91356 - 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 (By similarity).

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, Store in the dark

Notes

Clone 1H6 is reported for use in CD34+ enrichment studies. Fusion Partners: Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1/FOX-NY myeloma 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.

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