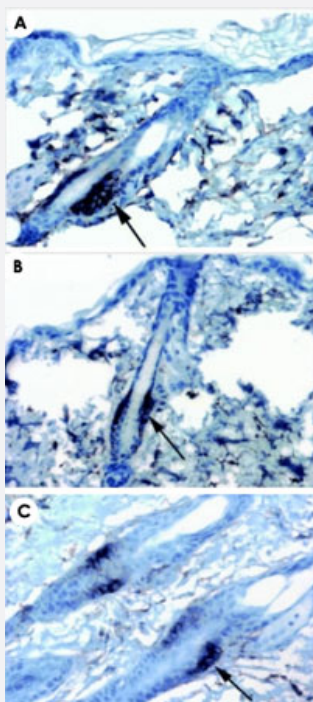


Cd34 monoclonal antibody, clone MEC 14.7

Catalog # MAB7100 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunocytochemistry with Cd34 monoclonal antibody, clone MEC 14.7 (Cat # MAB7100).

Localization of Cd34 expression, LRCs, and K15 expression in murine hair follicles.

(A) Cd34 expression in formalin-fixed, paraffin-embedded dorsal skin from an untreated Tg.AC mouse, showing membrane localization in the hair follicle. Arrow indicates Cd34-positive cells.

(B) Cd34 expression in a murine telogen hair follicle.

(C) Cd34 expression in a murine anagen hair follicle. Arrow indicates Cd34-positive keratinocytes in panels B and C.

Scale bars: 100 μm.

Specification

Product Description	Rat monoclonal antibody raised against Cd34.
Immunogen	Full length mouse Cd34.
Host	Rat
Reactivity	Mouse
Specificity	The reacts with Mouse CD34, a protein present on endothelial cells and hematopoietic progenitor cells. The recognizes a neuraminidase sensitive epitope on endothelium in vivo, particularly on small vessels and neoformed capillaries.
Form	Liquid

Purification	Protein G purification
Isotype	IgG2a
Recommend Usage	<p>Western Blot (1:250)</p> <p>Flow Cytometry (1 ug per million cells)</p> <p>Immunocytochemistry/Immunofluorescence (1:100-1:1000)</p> <p>Immunohistochemistry (1:250)</p> <p>Immunoprecipitation (1:10-1:500)</p> <p>The optimal working dilution should be determined by the end user.</p>
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	<p>Store at 4°C for short term. For long term storage store at -20°C.</p> <p>Aliquot to avoid repeated freezing and thawing.</p>
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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(C) Cd34 expression in a murine anagen hair follicle. Arrow indicates Cd34-positive keratinocytes in panels B and C.

Scale bars: 100 μm.
- Immunohistochemistry (Frozen sections)
- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry

Gene Info — Cd34

Entrez GeneID	12490
Gene Name	Cd34
Gene Alias	AU040960
Gene Description	CD34 antigen
Gene Ontology	Hyperlink
Other Designations	cluster designation 34

Publication Reference

- [Preclinical studies on the use of a P-selectin-blocking monoclonal antibody to halt progression of myelofibrosis in the Gata1low mouse model.](#)

Paola Verachi, Francesca Gobbo, Fabrizio Martelli, Mario Falchi, Antonio di Virgilio, Giuseppe Sarli, Celine Wilke, Andreas Bruederle, Anirudh Prahallad, Francesca Arciprete, Maria Zingariello, Anna Rita Migliaccio.

Experimental Hematology 2023 Jan; 117:43.

Application: IHC, Mouse, Mouse bone marrow, Mouse spleen

- [Enrichment for living murine keratinocytes from the hair follicle bulge with the cell surface marker CD34.](#)

Trempus CS, Morris RJ, Bortner CD, Cotsarelis G, Faircloth RS, Reece JM, Tennant RW.

The Journal of Investigative Dermatology 2003 Apr; 120(4):501.

Application: IF, IHC-P, Flow Cyt, Mouse, Skin, keratinocytes

- [Characterization of MEC 14.7, a new monoclonal antibody recognizing mouse CD34: a useful reagent for identifying and characterizing blood vessels and hematopoietic precursors.](#)

Garlanda C, Berthier R, Garin J, Stoppacciaro A, Ruco L, Vittet D, Gulino D, Matteucci C, Mantovani A, Vecchi A, Dejana E.

Eur J Cell Biol 1997 Aug; 73(4):368.