

Mouse anti-Human CD34 Monoclonal Antibody | anti-CD34 antibody

Anti-CD34 Antibody, Mouse Monoclonal

CATALOG # AAA254444	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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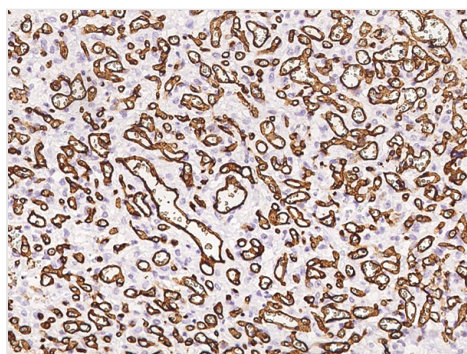
PRODUCT SYNONYMS

CD34; Monoclonal Antibody; Anti-CD34 Antibody; Mouse Monoclonal; CD34 Antibody; Mouse MAb; CD34 molecule; anti-CD34 antibody

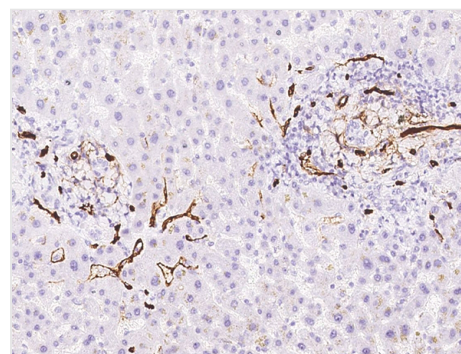
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	17
Specificity	Human CD34
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD34 antibody	IHC (Immunohistochemistry)
Immunogen	Full length human CD34 expression plasmid
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with full length human CD34 expression plasmid. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

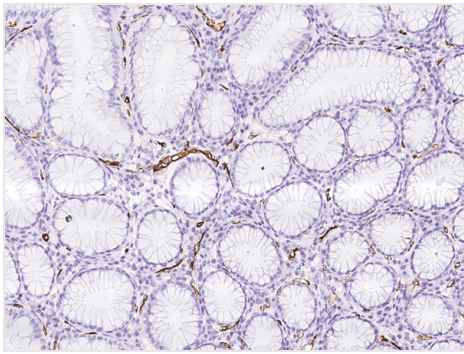
IMAGES


IHC (Immunohistochemistry)

Immunohistochemical staining of human CD34 in human umbilical stalk with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.

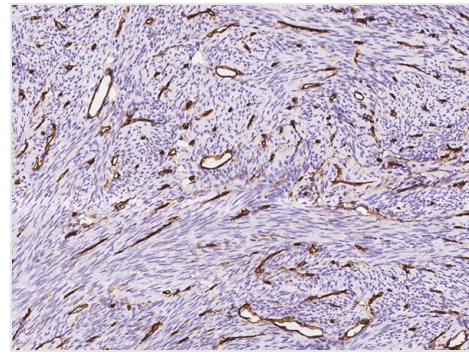

IHC (Immunohistochemistry)

Immunohistochemical staining of human CD34 in human liver with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.



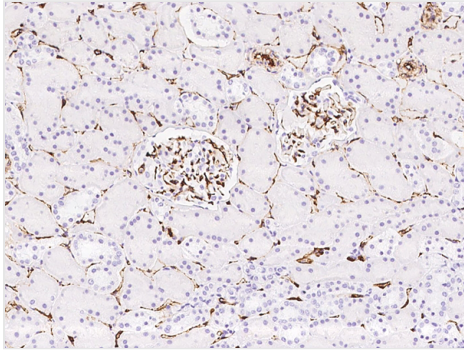
IHC (Immunohistochemistry)

Immunochemical staining of human CD34 in human stomach with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human CD34 in human corpus uteri with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human CD34 in human kidney with mouse monoclonal antibody at 1:60 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CD34 antibody	Cluster of Differentiation 34 (CD34) is a member of a family of single-pass transmembrane sialomucin proteins, and may function as a cell-cell adhesion factor. CD34 protein is selectively expressed on hematopoietic progenitor cells and the small vessel endothelium of a variety of tissues. It has been widely used as a stem and progenitor cell marker, and clinical CD34+ stem cell transplantation (CD34+SCT) has been performed for tumor purging. CD34 monoclonal antibodies are widely used to identify and isolate hemopoietic progenitors and to classify acute and chronic leukemias.
Product Categories/Family for anti-CD34 antibody	Cardiac Stem Cell Markers Hemangioblast Markers
References	Hogan CJ, et al. (2002) Differential long-term and multilineage engraftment potential from subfractions of human CD34+ cord blood cells transplanted into NOD/SCID mice. Proc Nat Acad Sci USA. 99 (1): 413-8. Nielsen JS, et al. (2009) CD34 is a key regulator of hematopoietic stem cell trafficking to bone marrow and mast cell progenitor trafficking in the periphery. Microcirculation. 16(6): 487-96. Mastrandrea F, et al. (2009) CD34+ hemopoietic precursor and stem cells traffic in peripheral blood of celiac patients is significantly increased but not directly related to epithelial damage severity. Eur Ann Allergy Clin Immunol. 40(3): 90-103. Pasquet S, et al. (2009) Long-term benefit of intracardiac delivery of autologous granulocyte-colony-stimulating factor-mobilized blood CD34+ cells containing cardiac progenitors on regional heart structure and function after myocardial infarct. Cytotherapy. 11(8): 1002-15.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd34-antibody-clone-17-immunohistochemistry-elisa/254444>