

Rabbit CD34 Monoclonal Antibody | anti-CD34 antibody

CD34 (Hematopoietic Stem Cell & Endothelial Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214597	Rabbit	Human, Rat. Others not known.	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

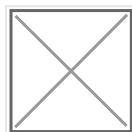
PRODUCT SYNONYMS

CD34; Monoclonal Antibody; CD34 (Hematopoietic Stem Cell & Endothelial Marker); Hematopoietic Progenitor Cell Antigen; HPCA1; Mucosialin; anti-CD34 antibody

PRODUCT SPECIFICATIONS

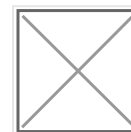
Host	Rabbit
Reactivity	Human, Rat. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	HPCA1/1806R
Specificity	This antibody recognizes a transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34. Its expression is a hallmark for identifying pluripotent hematopoietic stem or progenitor cells. Its expression is gradually lost as lineage committed progenitors differentiate. CD34 is a marker of choice for staining blasts in acute myeloid leukemia. In addition, it is expressed by soft tissue tumors, such as solitary fibrous tumor and gastrointestinal stromal tumor. CD34 expression is also found in vascular endothelium. Additionally, proliferating endothelial cells overexpress this molecule than the non-proliferating endothelial cells. Anti-CD34 labels > 85% of angiosarcoma and Kaposi sarcoma, but shows low specificity.
Form/Format	200ug/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	385
Applicable Applications for anti-CD34 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human HPCA1 protein
Cellular Localization	Cell Surface
Hu-chromosome Location	1q32.2
Positive Control	KG-1 cells, Tonsil, or Angiosarcoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE

SDS-PAGE Analysis of Purified CD34 Rabbit Recombinant Monoclonal Antibody (HPCA1/1806R).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with CD34 Rabbit Recombinant Monoclonal Antibody (HPCA1/1806R).

ADDITIONAL INFORMATION

References	Sato T et al. Blood 94:2548-2554 (1999). Felshow DM et al. Blood 97:3768-3775 (2001).
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	68342038
NCBI GeneID	947
NCBI Accession #	NP_001020280.1
NCBI GenBank Nucleotide #	NM_001025109.1
UniProt Accession #	P28906; Q15970; Q15971; Q5JTA3; Q5JTA4; Q9UJB1; A8K664
Molecular Weight	90-110kDa
NCBI Official Full Name	hematopoietic progenitor cell antigen CD34 isoform a
NCBI Official Synonym Full Names	CD34 molecule
NCBI Official Symbol	CD34
NCBI Protein Information	hematopoietic progenitor cell antigen CD34
UniProt Protein Name	Hematopoietic progenitor cell antigen CD34
UniProt Gene Name	CD34

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd34-antibody-clone-hpca1-1806r-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/214597>