

Mouse CD34 Monoclonal Antibody | anti-CD34 antibody

Mouse Anti-Human CD34 [QBEND-10]

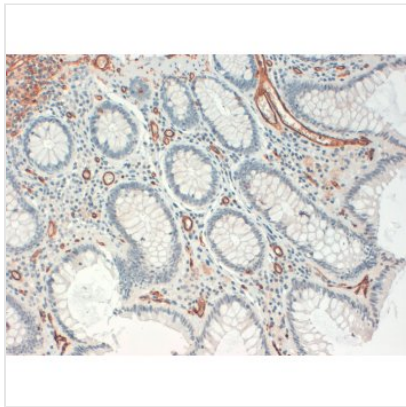
CATALOG # AAA59508	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD34; Monoclonal Antibody; Mouse Anti-Human CD34 [QBEND-10]; CD34 antibody; CD34 antigen antibody; CD34 molecule antibody; CD34_HUMAN antibody; Cluster designation 34 antibody; Hematopoietic progenitor cell antigen CD34 antibody; HPCA1 antibody; anti-CD34 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	QBEND-10
Specificity	The antibody recognizes a heavily glycosylated transmembrane protein: gp 105-120kDa. The antigen is expressed on immature human haemopoietic precursor cells, capillary endothelial cells and human myeloid cells in the following categories: subsets of CFU-GEMM and BFU-E, all CFU-GM, granulocyte precursors, monocytes, myeloid leukemias. This antibody recognizes the class II epitope showing resistance to neuraminidase enzyme cleavage
Purity/Purification	Protein A affinity chromatography
Form/Format	Purified tissue culture supernatant in phosphate buffered saline containing 0.02% sodium azide
Concentration	1mg/ml (varies by lot)
Sequence Length	328
Applicable Applications for anti-CD34 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human endothelial vesicles
Myeloma/fusion Partners	NSO myeloma cell line
Preparation and Storage	For use within one month from date of receipt, store at 4°C, for long term storage , aliquot antibody into small volumes and stoe at -20°C. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody.



IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

References	Varoga D et al. Differential expression of vascular endothelial growth factor in glucocorticoid-related osteonecrosis of the femoral head. Clin Orthop Relat Res 467:3273-82 (2009). IHC-P ; Human PMID: 19763724 Simonavicius N et al. Endosialin (CD248) is a marker of tumor-associated pericytes in high-grade glioma. Mod Pathol 21:308-15 (2008). IHC-P ; Human PMID: 18192970 Bettencourt MC et al. CD34 immunohistochemical assessment of angiogenesis as a prognostic marker for prostate cancer recurrence after radical prostatectomy. J Urol 160:459-65 (1998) PMID: 9679898 Raspadori D et al. Incidence and prognostic relevance of CD34 expression in acute myeloblastic leukemia: analysis of 141 cases. Leuk Res 21:603-7 (1997) PMID: 9301680 Ramani P et al. QBEND/10, a new monoclonal antibody to endothelium: assessment of its diagnostic utility in paraffin sections. Histopathology 17:237-42 (1990) PMID: 2242851
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NCBI AND UNIPROT INFORMATION

NCBI GI #	264769
NCBI GeneID	947
UniProt Accession #	P28906 ; Q15970 ; Q15971 ; Q5JTA3 ; Q5JTA4 ; Q9UJB1 ; A8K664
NCBI Official Full Name	CD34
NCBI Official Synonym Full Names	CD34 molecule
NCBI Official Symbol	CD34
NCBI Protein Information	hematopoietic progenitor cell antigen CD34; CD34 antigen
UniProt Protein Name	Hematopoietic progenitor cell antigen CD34
UniProt Gene Name	CD34
UniProt Entry Name	CD34_HUMAN

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.