

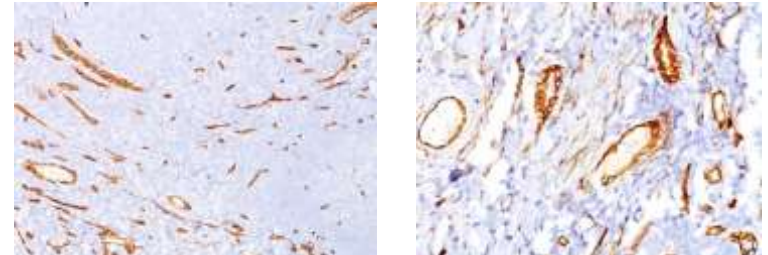
Anti-CD34 Antibody (QBEnd/10)

CATALOG NO:	A1497-100
ALTERNATIVE NAMES:	Hematopoietic Progenitor Cell Antigen, HPCA1, Mucosialin
AMOUNT:	100 µg
IMMUNOGEN:	Detergent solubilized vesicular suspension prepared from human term placenta
HOST/ISOTYPE:	Mouse / IgG1, kappa
CLONALITY:	Monoclonal
CLONE:	QBEnd/10
MOL WEIGHT:	90-110 kDa
SPECIES REACTIVITY:	Human, Cynomolgus Monkey, Rhesus Monkey
PURIFICATION:	Protein A/G purified
FORM:	Liquid
FORMULATION:	Supplied in 10 mM PBS with 0.05% BSA & 0.05% azide
STORAGE CONDITIONS:	Shipped at 4°C. Long term storage at -20°C.

DESCRIPTION: This mAb recognizes a single chain, transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34. On the basis of differential sensitivity to degradation by specific enzymes, epitopes of monoclonal antibodies to CD34 are classified into a three main categories, class I, class II and class III. It is a class II antibody whose epitope is resistant to neuraminidase but sensitive to glycoprotease and chymopapain. CD34 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, CD34 is expressed by soft tissue tumors, such as solitary fibrous tumor and gastrointestinal stromal tumor. Its expression is also found in vascular endothelium. Additionally, it appears that proliferating endothelial cells express this molecule more than the non-proliferating endothelial cells. Anti-CD34 labels > 85% of angiosarcoma and Kaposi's sarcoma, but with a lower specificity.

APPLICATION: FC: 0.5-1µg/1X10⁶ cells in 0.1ml
IF: 0.5-1µg/ml
IHC: 0.25-0.5µg/ml for 30 minutes at RT
(Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Formalin-fixed, paraffin-embedded human tonsil stained with CD34 Monoclonal Antibody (QBEnd/10)

RELATED PRODUCTS:

- CD34 Antibody (Center) (Clone # 132CT29.1.5) (Cat. No. 6796)
- CD34 Antibody (Center) (Cat. No. 6797)

FOR RESEARCH USE ONLY! Not to be used on humans.