



Anti-CD34 monoclonal antibody, clone QBEND/10 (CABT-50437MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

This product recognises the CD34 antigen, some cross reactions with vascular associated adventitia and some basement membranes. Ultrastructure studies, using an indirect immunogold technique on ultra thin sections of human umbilical artery, have revealed that this antigen is associated to a degree with the basoluminal surfaces of endothelium and shows a slight reaction with an intracytoplasmic vesicular compartment. Predominant staining is on the endothelial cell membrane. Clone QBEND-10 recognises the class II epitope on CD34. Clone QBEND-10 has been reported as being suitable for use in Western blotting. Immunohistology This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

Specificity	CD34
Immunogen	Human endothelial cell membrane vesicles
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Bovine, Sheep, Rat, Dog, Cynomolgus monkey, Rhesus Monkey, Human
Clone	QBEND/10
Purification	Protein A purified
Conjugate	Unconjugated
Applications	IHC-Fr; FC; IHC-P
Format	Liquid
Size	200 µg

Preservative	0.09% Sodium Azide
Storage	Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CD34 CD34 molecule [Homo sapiens (human)]
Official Symbol	CD34
Synonyms	CD34; CD34 molecule; hematopoietic progenitor cell antigen CD34; CD34 antigen;
Entrez Gene ID	947
Protein Refseq	NP_001020280
UniProt ID	P28906
Chromosome Location	1q32
Pathway	Adaptive Immune System; C-MYB transcription factor network; Cell adhesion molecules (CAMs); Hematopoietic cell lineage; Immune System; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell;
Function	carbohydrate binding; sulfate binding; transcription factor binding;