

## CD34

### Mouse Anti-Human CD34 (Clone QBEND-10) mAb

<b>Catalog No.</b>	MON1164	<b>Quantity:</b>	0.2 mg
<b>Alternate Names:</b>	Hematopoietic progenitor cell antigen CD34		
<b>Description:</b>	<p>Mouse anti Human CD34 antibody, clone QBEND/10 recognizes the human CD34 antigen, also known as Hematopoietic progenitor cell antigen CD34. Human CD34 is 385 amino acid polypeptide containing a 31 residue signal peptide, cleaved to yield the ~110kDa mature form of CD34, a sialomucin single pass transmembrane glycoprotein. CD34 is expressed by stem cells and small vessel endothelium. Human CD34 exists as two isoforms, the full length form described here and a truncated isoform lacking the carboxy-terminal of the intracellular domain and containing some alternative sequence in the remaining intracellular region. Antibody binding epitopes on human CD34 have been classified according to their resistance to enzymatic degradation and grouped together using this and competitive binding assays.</p>		
<b>UnitProt ID:</b>	P28906		
<b>Concentration:</b>	1 mg/ml		
<b>Specificity:</b>	Human CD34		
<b>Immunogen:</b>	Human endothelial cell membrane vesicles		
<b>Isotype:</b>	Mouse IgG1		
<b>Clone:</b>	QBEND-10		
<b>Formulation:</b>	PBS containing 0.09% sodium azide		
<b>Purification:</b>	Protein A affinity chromatography		
<b>Cross-Reactivity:</b>	Does not cross react with tested species such as sheep, cow, dog and rat. Clone is reported to cross react with Rhesus Monkey.		
<b>Applications:</b>	FC, IHC, IP, WB		
<b>Application Notes:</b>	<p><b>Flow cytometry:</b> Use 10 µl antibody (1:100-1:200 dilution) labels 10<sup>6</sup> cells in 100 µl.</p> <p><b>IHC-P:</b> recommended dilution 1:500-1:1,000</p> <p><b>IHC-F:</b> This product does not require antigen retrieval using heat treatment or protein digestion. However staining of paraffin embedded formalin fixed tissues may be enhanced by enzyme pretreatment using pronase or heat treatment using citrate buffer. The optimal concentration should be determined by the user for each specific application.</p>		
<b>Storage &amp; Stability:</b>	Store at 2-8°C until expiration date.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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