

CD34, Clone QBEND-10, Human mAb

Catalog No.	MON1164	Quantity:	0.2 mg
Concentration:	1.0 mg/ml		
Description:	Mouse Anti-human CD34, Clone QBEND-10, human endothelial cell purified monoclonal antibody.		
Specificity:	The antibody recognizes 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 detected 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. QBEND-10 immunoprecipitates a glycoprotein with a relative MW of 110 kDa expressed on haematopoietic cells and on the established myeloid leukaemic cell line KG1A. QBEND-10 recognizes the Class II epitope on CD34.		
Host:	Mouse		
Immunogen:	Human endothelial vesicles		
Isotype:	IgG1		
Clone:	QBEND-10		
Formulation:	Liquid in a buffer of PBS + 0.09% Sodium Azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	Protein A affinity chromatography		
Cross-Reactivity:	Does not cross react with tested species such as sheep, cow, dog and rat. Clone is reported to cross react with Rhesus Monkey.		
Applications:	Flow cytometry: Use 10 µl antibody (1:100-1:200 dilution) to label 10 ⁶ cells in 100 µl. Immunohistochemistry on frozen and paraffin embedded sections: 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. Recommended dilution: 1:500-1:1,000 for immunohistochemistry on paraffin sections. Immunoprecipitation Western blot The optimal concentration should be determined by the user for each specific application.		
Positive Control:	Tonsil, bone marrow		

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