



Peninsula Laboratories, LLC

A Member of the Bachem Group

305 Old County Road, San Carlos, CA 94070

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Monoclonal Antibody to Human CD34 gp 105-120 Sialomucin

Monoclonal antibody QB-END10 recognises the CD34 antigen and shows some reactivity with vascular associated adventitia and 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.

Product Number:	T-1106
Clone:	QB-END 10
Host species, isotype:	Mouse IgG1
Quantity:	1ml
Format:	Tissue culture supernatant, liquid Supplied as 1ml solution. This stock solution contains 0.2M Tris/HCl, 5-10% fetal bovine serum and 0.1% sodium azide as a preservative.
Stability:	6 months at 4° - 8°C 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC). Has been reported to work in FACS, Western Blot. Approximate working dilution for IHC: Frozen sections: 1:10 Paraffin sections: 1:5; no pretreatment for antigen retrieval required. Optimal dilutions should be determined by the end user. Suggested positive control: Human placenta, tonsil.
Immunogen:	Human endothelial vesicles.
Antigen, epitope:	The antigen is CD34, the epitope has not been characterized.
Biochemistry:	QB-END10 immunoprecipitates a glycoprotein of Mr 110kDa expressed on haematopoietic cells and on the established myeloid leukaemia cell line KG1a. QB-END10 recognises the class II epitope on CD34.



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Specificity:

Human: CD34.

Other: Negative with sheep, cow, dog, rat.

For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.