

Monoclonal Mouse Antibody to Human Endothelial Cell, CD34

Description:

Immunogen:	Human placenta. Produced using mouse myeloma p3-NS-0 cells.
Clone:	QBEnd/10
Isotype:	IgG _{1κ}
Format:	This antibody has been pre-titrated and quality controlled to work on formalin-fixed paraffin-embedded as well as acetone fixed cryostat tissue sections. No further titration is required.
Specificity:	This antibody reacts with a single chain glycoprotein with a molecular weight of 110kD. The antibody reacts with vascular endothelial cells, and reacts selectively with human lymphoid and myeloid hematopoietic progenitor cells.
Species Reactivity:	Human. Others-not tested.
Positive Control:	Normal human skin.

Uses/Limitations: Immunohistochemistry
For Research Use Only.
Do not use past expiration date.

Storage: 2-8° Centigrade.

Procedure: ScyTek suggests an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. Staining may be improved by trypsin digestion and/or microwave treatment with citrate buffer.

Precautions: Contains Sodium Azide as a preservative.
Do not pipette by mouth.

References:

1. Anthony PP and Ramani P. Endothelial markers in malignant vascular tumours of the liver: Superiority of QBEND/10 over Von Willebrand factor and Ulex europaeus agglutinin. 1. Journal of Clinical Pathology. 44: 29-32 (1991)
2. Dhillon AP, Sankey EA and More L. QBEND/10: A new immunostain for the routine diagnosis of Kaposi's sarcoma. Journal of Pathology. 162: 274 (1990).
3. Fletcher CDM and Ramani P. QBEnd/10: A useful, but by no means specific marker of Kaposi's sarcoma. Journal of Pathology. 162: 273 (1990).

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4. Ramani P, Bradley NJ and Fletcher CDM. QBEND/10, a new monoclonal antibody to endothelium: assessment of its diagnostic utility in paraffin sections. *Histopathology*. 17: 237-242 (1990).
5. Sankey EA, More L and Dhillon AP. QBEnd/10: A new immunostain for the routine diagnosis of Kaposi's sarcoma. *Journal of Pathology*. 161: 267-271 (1990).