

Anti-CD34 Antibody [QBEnd/10] (A250677)

Specifications:

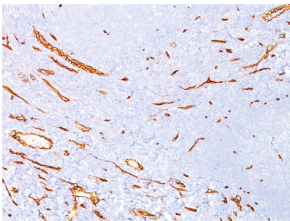
Name:	Anti-CD34 Antibody [QBEnd/10]
Description:	Mouse monoclonal [QBEnd/10] antibody to CD34.
Specificity:	This antibody recognizes a single chain, transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34. On the basis of differential sensitivity to degradation by specific enzymes, epitopes of monoclonal antibodies to CD34 are classified into three main categories, class I, class II and class III. It is a class II antibody whose epitope is resistant to neuraminidase but sensitive to glycoprotease and chymopapain. CD34 expression is a hallmark for identifying pluripotent hematopoietic stem or progenitor cells. Its expression is gradually lost as lineage committed progenitors differentiate. CD34 is a marker of choice for staining blasts in acute myeloid leukemia. In addition, CD34 is expressed by soft tissue tumors, such as solitary fibrous tumor and gastrointestinal stromal tumor. Its expression is also found in vascular endothelium. It appears that proliferating endothelial cells express this molecule more than the non-proliferating endothelial cells. Anti-CD34 labels 85% of angiosarcoma and Kaposi sarcoma, but with a lower specificity.
Applications:	Flow Cytometry, IF, IHC-P
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, IHC-P: 0.25-0.5 µg/ml
Reactivity:	Human, Cynomolgus Monkey, Rhesus Monkey
Cross Reactivity:	This antibody does not cross react with Rat, Sheep, Bovine, or Canine.
Immunogen:	Detergent solubilized vesicular suspension prepared from human term placenta.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	QBEnd/10
Isotype:	IgG1
Light Chains:	lambda
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.

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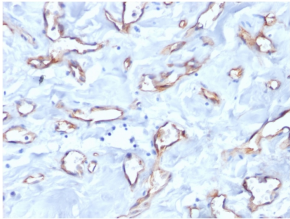
Specifications continued:

Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-CD34 Antibody [QBEnd/10] - BSA and Azide free (A253857).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

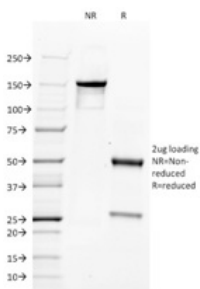
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil using Anti-CD34 Antibody [QBEnd/10].



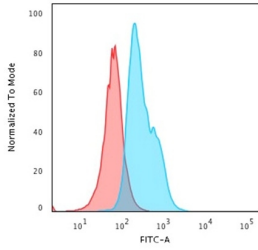
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human tonsil using Anti-CD34 Antibody [QBEnd/10].



SDS-PAGE analysis of Anti-CD34 Antibody [QBEnd/10] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.

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Images continued:



Flow cytometric analysis of human Jurkat cells using Anti-CD34 Antibody [QBEnd/10] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).