

Product Datasheet

CD34 Antibody (QBEnd/10 + HPCA1/763) - Azide and BSA Free NBP2-47909-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-47909-0.1mg

CD34 Antibody (QBEnd/10 + HPCA1/763) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	QBEnd/10 + HPCA1/763
Preservative	No Preservative
Isotype	IgG1 Lambda/IgG1 Lambda
Purity	Protein A or G purified
Buffer	10 mM PBS

Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA. Also available at 200 ug/ml WITH BSA & azide (NBP2-44567). Antibody with azide - store at 2 to 8C.
Host	Mouse
Gene ID	947
Gene Symbol	CD34
Species	Human
Marker	Hematopoietic Stem Cell & Endothelial Marker
Specificity/Sensitivity	This monoclonal antibody recognizes a single chain, transmembrane, heavily glycosylated protein of 90-120kDa, which is identified as CD34. Its 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. Additionally, 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.
Immunogen	Detergent solubilized vesicular suspension prepared from human term placenta (QBEnd/10); Recombinant full-length human CD34 protein (CD34/763) (Uniprot: P28906)

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Proximity Ligation Assay, CyTOF-ready, Immunofluorescence
Recommended Dilutions	Flow Cytometry 0.5 - 1 ug/million cells in 0.1 ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25 - 0.5 ug/ml, Proximity Ligation Assay, Immunofluorescence 0.5 - 1.0 ug/ml, CyTOF-ready



Application Notes

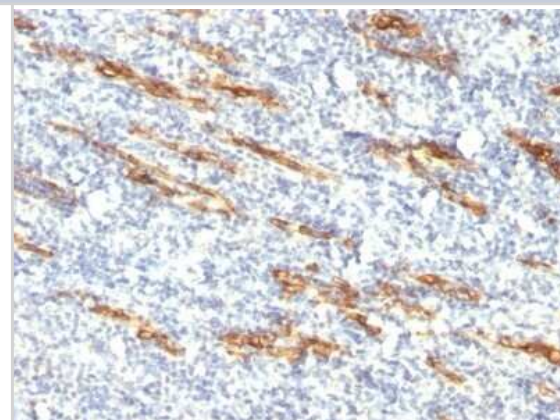
Use in Proximity Ligation Assay reported in scientific literature (PMID: 31880322).

Immunohistochemistry (Formalin-fixed): 0.25-0.5ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.

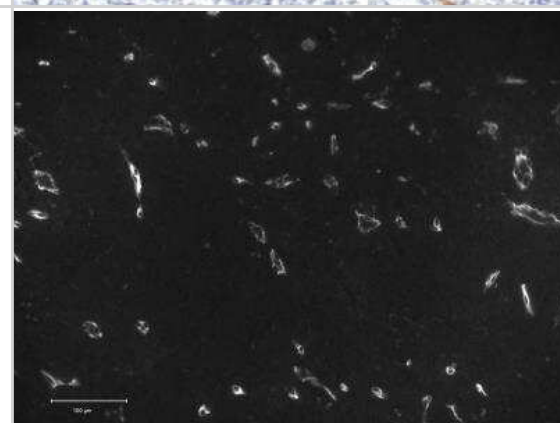
Optimal dilution for a specific application should be determined.

Images

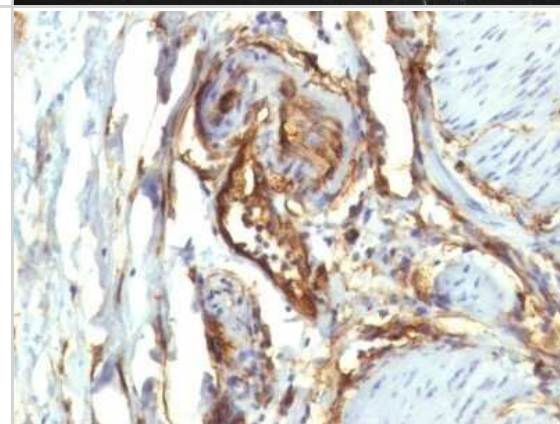
Immunohistochemistry-Paraffin: CD34 Antibody (QBEnd/10 + HPCA1/763) - Azide and BSA Free [NBP2-47909] - Human Tonsil stained with CD34 Monoclonal Antibody (QBEnd/10 + HPCA1/763)



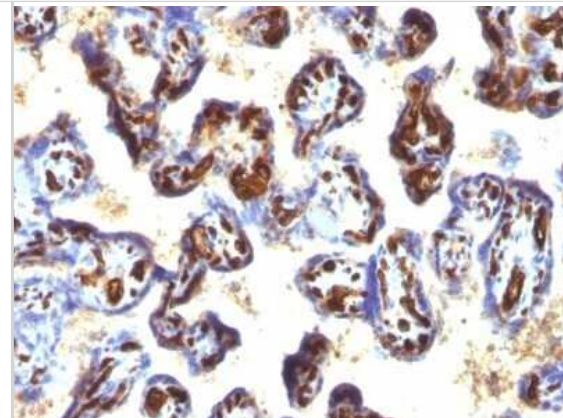
Immunohistochemistry-Paraffin: CD34 Antibody (QBEnd/10 + HPCA1/763) - Azide and BSA Free [NBP2-47909] - Human tonsil. Antigen retrieval at pH 9. IF with Cy3 conjugate. Image from verified customer review.



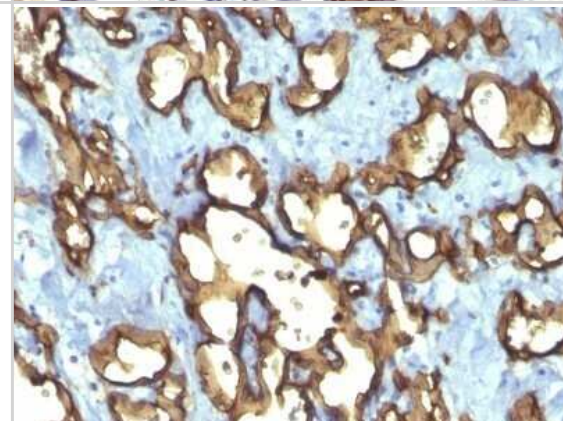
Immunohistochemistry-Paraffin: CD34 Antibody (QBEnd/10 + HPCA1/763) - Azide and BSA Free [NBP2-47909] - Human Colon Carcinoma stained with CD34 Monoclonal Antibody (QBEnd/10 + HPCA1/763)



Immunohistochemistry-Paraffin: CD34 Antibody (QBEnd/10 + HPCA1/763) - Azide and BSA Free [NBP2-47909] - Human Placenta stained with CD34 Monoclonal Antibody (QBEnd/10 + HPCA1/763)



Immunohistochemistry-Paraffin: CD34 Antibody (QBEnd/10 + HPCA1/763) - Azide and BSA Free [NBP2-47909] - Human Angiosarcoma stained with CD34 Monoclonal Antibody (QBEnd/10 + HPCA1/763)





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Products Related to NBP2-47909-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-22751	Recombinant Human CD34 His Protein
210-TA-005	TNF-alpha [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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