

Product Datasheet

CD34 Antibody (QEnd/10) - Azide and BSA Free NBP2-34713-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-34713-0.1mg

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

| Product Information | |
|-----------------------------|---|
| Unit Size | 0.1 mg |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | QBEnd/10 |
| Preservative | No Preservative |
| Isotype | IgG1 Kappa |
| Purity | Protein A purified |
| Buffer | PBS |
| Product Description | |
| Description | Novus Biologicals Mouse CD34 Antibody (QBEnd/10) - Azide and BSA Free (NBP2-32932) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-CD34 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Mouse |
| Gene ID | 947 |
| Gene Symbol | CD34 |
| Species | Human, Primate, Bovine (Negative), Canine (Negative), Rat (Negative), Sheep (Negative) |
| Reactivity Notes | Cynomolgus Monkey, Rhesus Monkey |
| Marker | Hematopoietic Stem Cell & Endothelial Marker |
| Specificity/Sensitivity | This MAb 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. 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 s sarcoma, but with a lower specificity. |
| Immunogen | Detergent solubilized vesicular suspension prepared from human term placenta |
| Product Application Details | |
| Applications | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready |

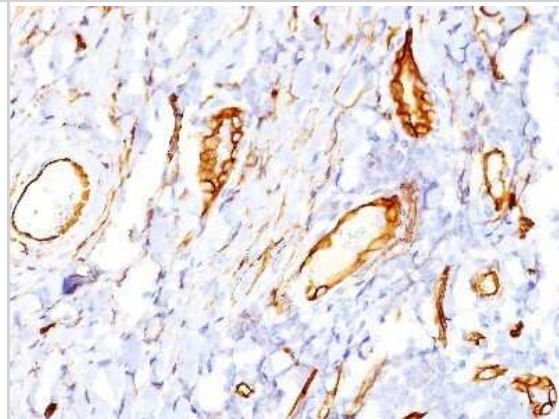


| | |
|------------------------------|---|
| Recommended Dilutions | Western Blot 0.25-0.5ug/ml, Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1ug/ml, Immunoprecipitation 0.5-1ug/500ug protein lysate, Immunohistochemistry-Paraffin 0.5-1ug/ml, Immunohistochemistry-Frozen 0.5-1ug/mlimmunohistochemistry-Paraffin 0.5-1ug/ml, CyTOF-ready |
| Application Notes | Immunohistochemistry (Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes) |

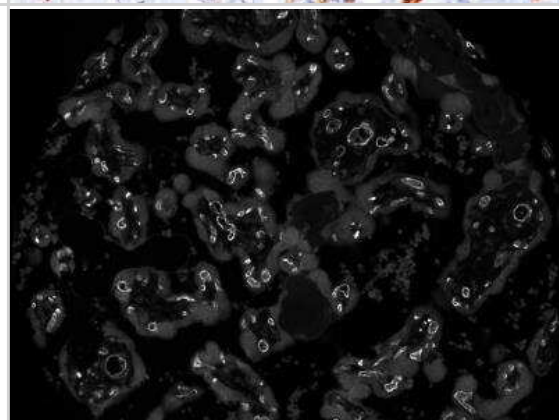


Images

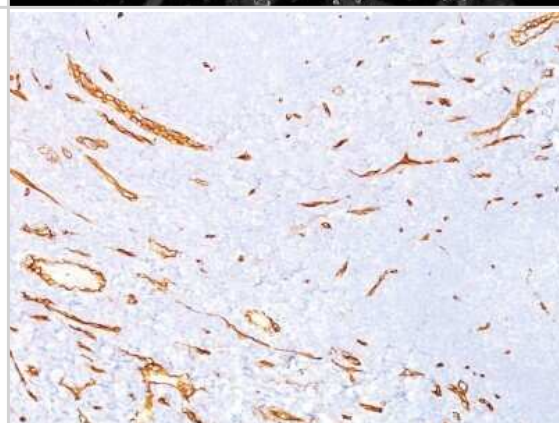
Immunohistochemistry-Paraffin: CD34 Antibody (QBEnd/10) - Azide and BSA Free [NBP2-34713] - Formalin-paraffin human tonsil (20X) stained with CD34 MAb (QBEnd/10). Image using the standard format of this product.



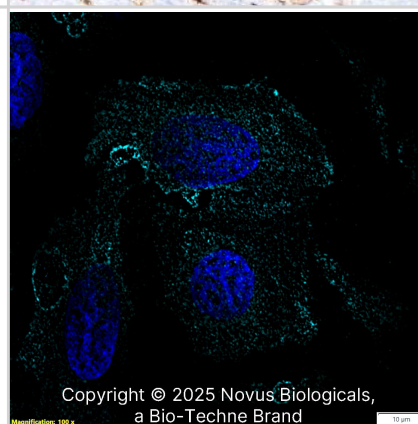
Immunohistochemistry-Paraffin: CD34 Antibody (QBEnd/10) - Azide and BSA Free [NBP2-34713] - Human placental tissue. Antigen retrieval at pH 9. IF by Cy3 conjugate. Image from verified customer review.



Immunohistochemistry-Paraffin: CD34 Antibody (QBEnd/10) - Azide and BSA Free [NBP2-34713] - Formalin-fixed, paraffin-embedded human tonsil (10X) stained with CD34 MAb (QBEnd/10) Image using the standard format of this product.



CD34 (QBEnd/10) was detected in immersion fixed U-2 OS human osteosarcoma cell line using Mouse anti-CD34 (QBEnd/10) Protein G Purified Monoclonal Antibody conjugated to Alexa Fluor® 647 (Catalog # NBP2-34713AF647) (light blue) at 10 µg/mL overnight at 4C. Cells were counterstained with DAPI (blue). Cells were imaged using a 100X objective and digitally deconvolved.



Publications

Tan L, Ye Z, Zhuang W et al. 3D printed PLGA/MgO/PDA composite scaffold by low-temperature deposition manufacturing for bone tissue engineering applications Regenerative therapy 2023-12-01 [PMID: 38034857]



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Products Related to NBP2-34713-0.1mg

| | |
|------------------|--|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB7539 | Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) |

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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