

Product Datasheet

CD34 Antibody (HPCA1/1806R) - Azide and BSA Free NBP2-54355-100ug

Unit Size: 100 ug

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

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NBP2-54355-100ug

CD34 Antibody (HPCA1/1806R) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	HPCA1/1806R
Preservative	No Preservative
Isotype	IgG
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	95 kDa

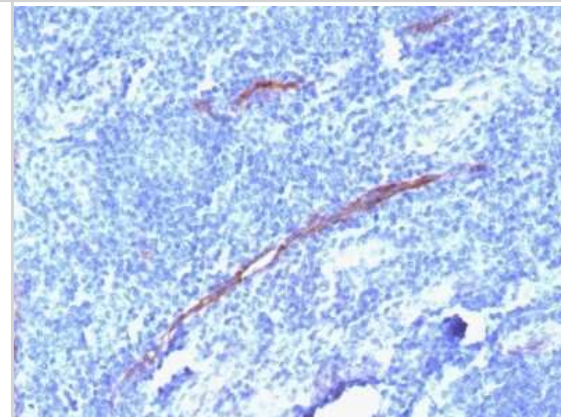
Product Description	
Description	1.0 mg/ml of recombinant monoclonal antibody purified by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-53353). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Rabbit
Gene ID	947
Gene Symbol	CD34
Species	Human, Rat
Marker	Hematopoietic Stem Cell & Endothelial Marker
Specificity/Sensitivity	This antibody recognizes a 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, it is expressed by soft tissue tumors, such as solitary fibrous tumor and gastrointestinal stromal tumor. CD34 expression is also found in vascular endothelium. Additionally, proliferating endothelial cells overexpress this molecule than the non-proliferating endothelial cells. Anti-CD34 labels 85% of angiosarcoma and Kaposi sarcoma, but shows low specificity.
Immunogen	Recombinant full-length human CD34 protein (Uniprot: P28906)

Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunohistochemistry-Paraffin 1 - 2 ug/ml, CyTOF-ready
Application Notes	Immunohistochemistry (Formalin-fixed): 2-4ug/ml for 30 min 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.

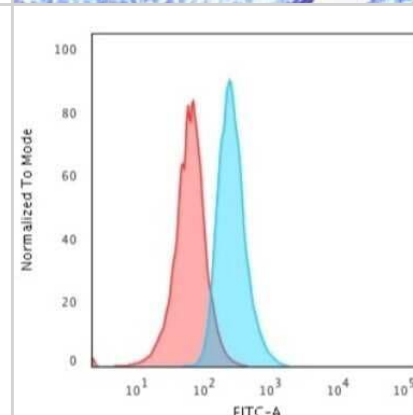


Images

Immunohistochemistry-Paraffin: CD34 Antibody (HPCA1/1806R) - Azide and BSA Free [NBP2-54355] - Formalin-fixed, paraffin-embedded human Tonsil stained with CD34 Recombinant Rabbit Monoclonal Antibody (HPCA1/1806R)



Flow Cytometry: CD34 Antibody (HPCA1/1806R) - Azide and BSA Free [NBP2-54355] - Flow Cytometric Analysis of human Jurkat cells using CD34 Antibody (HPCA1/1806R) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Publications

Wu J, Fu L, Yan Z et al. Hierarchical porous ECM scaffolds incorporating GDF-5 fabricated by cryogenic 3D printing to promote articular cartilage regeneration Biomaterials research 2023-02-05 [PMID: 36739446] (FLOW)



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Products Related to NBP2-54355-100ug

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-53044-50ug	Recombinant Human CD34 His Protein

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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