

Product Datasheet

CD34 Antibody (MEC 14.7) - Azide and BSA Free NBP2-80642

Unit Size: 0.1 ml

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

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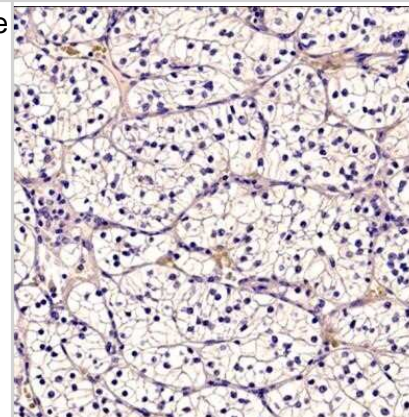
NBP2-80642**CD34 Antibody (MEC 14.7) - Azide and BSA Free**

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MEC 14.7
Preservative	No Preservative
Isotype	IgG2a
Purity	Protein G purified
Buffer	Tris-Glycine, 0.15 M NaCl
Product Description	
Description	Novus Biologicals Rat CD34 Antibody (MEC 14.7) - Azide and BSA Free (NB600-1071) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	947
Gene Symbol	CD34
Species	Mouse, Human (Negative)
Reactivity Notes	This antibody does not detect Human CD34 and is an excellent tool for marking host derived endothelial cells/vasculature in human cancer xenografts on mouse.
Immunogen	Murine transformed endothelioma cell line t-end.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:250, Flow Cytometry 1 ug per million cells, ELISA 1:100-1:2000, Immunohistochemistry 1:100 - 1:250, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:100 - 1:250, Immunohistochemistry-Frozen 1:100 - 1:250
Application Notes	This CD34 (MEC 14.7) antibody is useful for Immunohistochemistry (on both paraffin-embedded and frozen sections), Flow Cytometry, Immunocytochemistry/Immunofluorescence, Western blot, Immunoprecipitation and ELISA. Antigen retrieval is required for IHC-Paraffin.

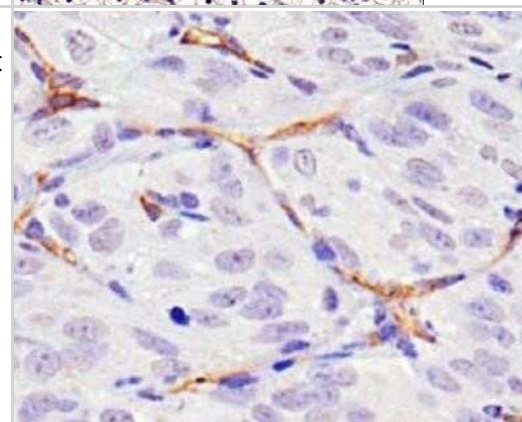


Images

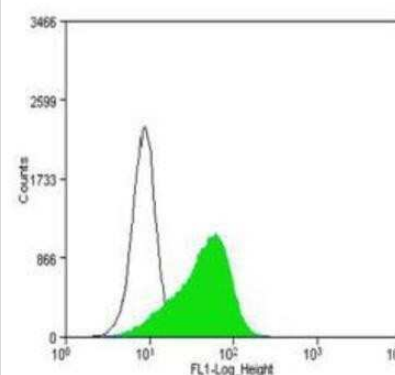
Immunocytochemistry: CD34 Antibody (MEC 14.7) - Azide and BSA Free [NBP2-80642] - Analysis of a human renal cancer tissue section using CD34 antibody (clone MEC 14.7) at 1:100 dilution. The antibody did not detect human CD34 which is an expected outcome for this clone. This section was included in NB600-1071's IHC validation testing as



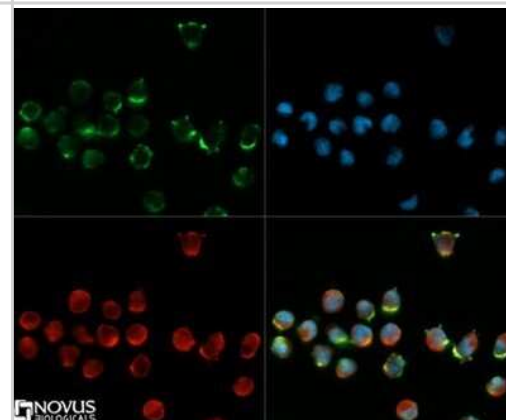
Immunohistochemistry: CD34 Antibody (MEC 14.7) - Azide and BSA Free [NBP2-80642] - Analysis of CD34 on human renal cancer xenograft using CD34 antibody (clone MEC 14.7). The antibody detected the endothelial cells in the tumor vasculature which are originating from the host (mouse). Image from the standard format of this antibody.



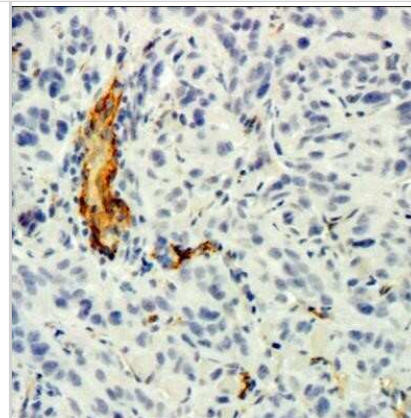
Flow Cytometry: CD34 Antibody (MEC 14.7) - Azide and BSA Free [NBP2-80642] - CD34 (MEC 14.7) antibody was tested at 1:250 in WEHI-3 cells with DyLight 488 (green) alongside a matched isotype control (black). Image from the standard format of this antibody.



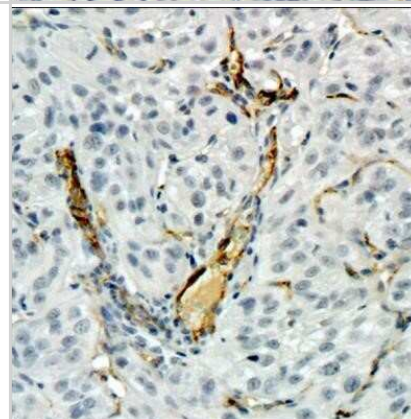
Immunocytochemistry/Immunofluorescence: CD34 Antibody (MEC 14.7) - Azide and BSA Free [NBP2-80642] - CD34 antibody was tested in WEHI-3 cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red). Image from the standard format of this antibody.



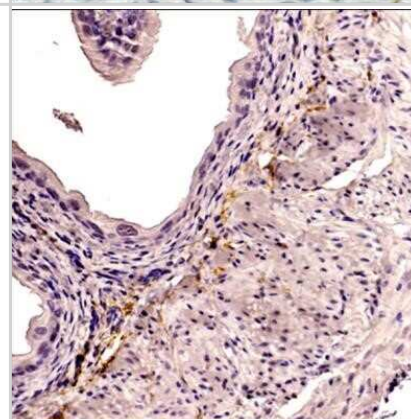
Immunohistochemistry-Paraffin: CD34 Antibody (MEC 14.7) - Azide and BSA Free [NBP2-80642] - Analysis of a FFPE tissue section of human renal cancer xenograft using CD34 antibody (clone MEC 14.7) at 1:100 dilution. The staining was detected using HRP-conjugated secondary antibody and DAB reagent followed by counterstaining of nuclei with hematoxy



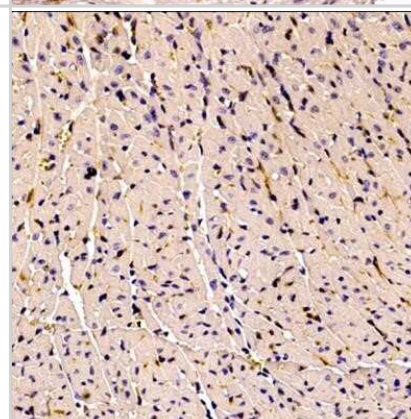
Immunohistochemistry-Paraffin: CD34 Antibody (MEC 14.7) - Azide and BSA Free [NBP2-80642] - Analysis of a FFPE tissue section of human renal cancer xenograft using CD34 antibody clone MEC 14.7 at 1:100 dilution. The signal was developed using HRP-conjugated secondary antibody and DAB reagent followed by counterstaining of nuclei with hematoxylin



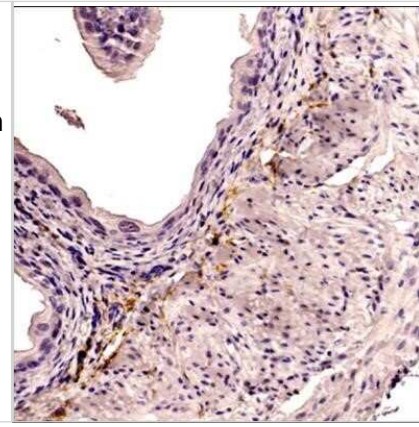
Immunohistochemistry: CD34 Antibody (MEC 14.7) - Azide and BSA Free [NBP2-80642] - Analysis of a FFPE tissue section of mouse colon using rat anti-mouse CD34 (clone MEC 14.7) at 1:100 dilution. The signal was developed using HRP-conjugated anti-rat secondary with DAB reagent which followed counterstaining of nuclei using hematoxylin. Th



Immunohistochemistry: CD34 Antibody (MEC 14.7) - Azide and BSA Free [NBP2-80642] - Analysis of a FFPE tissue section of mouse heart using rat anti-mouse CD34 (clone MEC 14.7) at 1:100 dilution. The signal was developed using HRP-conjugated anti-rat secondary with DAB reagent which followed counterstaining of nuclei using hematoxylin. Th



Immunohistochemistry: CD34 Antibody (MEC 14.7) - Azide and BSA Free [NBP2-80642] - Analysis of a FFPE tissue section of mouse small intestine using rat anti-mouse CD34 (clone MEC 14.7) at 1:100 dilution. The signal was developed using HRP-conjugated anti-rat secondary with DAB reagent which followed counterstaining of nuclei using hematoxylin.





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Products Related to NBP2-80642

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
F0105B	Goat anti-Rat IgG Secondary Antibody [Phycoerythrin]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)
NBP2-22751	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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