

# Product Datasheet

## CD34 Antibody (QBEnd/10 + HPCA1/763) [Janelia Fluor® 669]

**NBP2-47909JF669**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47909JF669**

CD34 Antibody (QBEnd/10 + HPCA1/763) [Janelia Fluor® 669]

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	QBEnd/10 + HPCA1/763
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Lambda/IgG1 Lambda
<b>Conjugate</b>	Janelia Fluor 669
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate

**Product Description**

<b>Host</b>	Mouse
<b>Gene ID</b>	947
<b>Gene Symbol</b>	CD34
<b>Species</b>	Human
<b>Marker</b>	Hematopoietic Stem Cell & Endothelial Marker
<b>Specificity/Sensitivity</b>	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's sarcoma, but with a lower specificity.
<b>Immunogen</b>	Detergent solubilized vesicular suspension prepared from human term placenta (QBEnd/10); Recombinant full-length human CD34 protein (CD34/763) (Uniprot: P28906)
<b>Notes</b>	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.

**Product Application Details**

<b>Applications</b>	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Proximity Ligation Assay, CyTOF-ready, Immunofluorescence
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Proximity Ligation Assay, Immunofluorescence, CyTOF-ready
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.





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## Products Related to NBP2-47909JF669

NBP2-22751	Recombinant Human CD34 His Protein
210-TA-005	TNF-alpha [Unconjugated]
9655-CD-050	CD34 [Unconjugated]
M6000B-1	IL-6 [HRP]

## 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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