

# Product Datasheet

## **CD34 Antibody** **NBP2-33076-0.2mg**

Unit Size: 0.2 mg

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

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Updated 11/13/2014 v.20.1

**NBP2-33076-0.2mg**

CD34 Antibody (ICO115) [Azide Free]

<b>Product Information</b>	
<b>Unit Size</b>	0.2 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	ICO115
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	Azide Free
<b>Purity</b>	Protein G purified
<b>Buffer</b>	10mM PBS. Does not contain BSA.
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	947
<b>Gene Symbol</b>	CD34
<b>Species</b>	Human, Rat
<b>Marker</b>	Hematopoietic Stem Cell Marker
<b>Specificity/Sensitivity</b>	This 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, 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, it appears that proliferating endothelial cells overexpress this molecule than the non-proliferating endothelial cells. Anti-CD34 labels > 85% of angiosarcoma and Kaposi's sarcoma, but shows low specificity.
<b>Immunogen</b>	Blast cells from a chronic myeloid leukemia patient were used as the immunogen for the CD34 antibody.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Flow cytometry 0.5-1ug/million cells, Immunocytochemistry/Immunofluorescence 0.5-1ug/ml, Western Blot 0.25-0.5ug/ml, Immunoprecipitation 0.5-1ug/500ug protein lysate, Immunohistochemistry-Frozen 0.5-1ug/ml, immunohistochemistry-Paraffin 0.5-1ug/ml





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### **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.

**For more information on our guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee).**

