

Product Datasheet

CD34 Antibody (SPM123) [Janelia Fluor® 646] NBP2-34733JF646

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-34733JF646

CD34 Antibody (SPM123) [Janelia Fluor® 646]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	SPM123
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Janelia Fluor 646
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	947
Gene Symbol	CD34
Species	Human, Cynomolgus Monkey, Rhesus Macaque, Bovine (Negative), Canine (Negative), Rat (Negative)
Reactivity Notes	Does not react with Rat, Bovine or Canine.
Marker	Hematopoietic Stem Cell & Endothelial Marker
Specificity/Sensitivity	This monoclonal antibody 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 sarcoma, but with a lower specificity.
Immunogen	Detergent solubilized vesicular suspension prepared from human term placenta
Notes	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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Products Related to NBP2-34733JF646

NBP2-22751	Recombinant Human CD34 His Protein
210-TA-005	TNF-alpha [Unconjugated]
9655-CD-050	CD34 [Unconjugated]
DVE00	VEGF [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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