

# Product Datasheet

## CD31/PECAM-1 Antibody

### NBP2-34578-0.2 mg

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 7/6/2014 v.20.1

**NBP2-34578-0.2 mg**

CD31/PECAM-1 Antibody (C31.3 + JC/70A) [Azide Free]

Product Information	
Unit Size	0.2 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	C31.3 + JC/70A
Preservative	No Preservative
Isotype	IgG1 Kappa/IgG1 Kappa
Conjugate	Azide Free
Purity	Protein A purified
Buffer	10 mM PBS. Does not contain BSA.

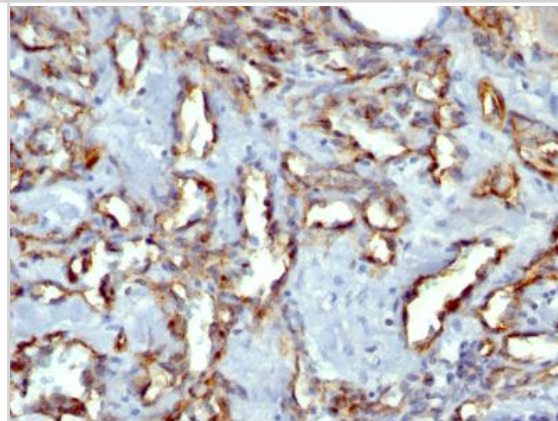
Product Description	
Host	Mouse
Gene ID	5175
Gene Symbol	PECAM1
Species	Human, Primate, Rabbit
Species Reactivity	Cynomolgus Monkey
Specificity/Sensitivity	CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules. CD31 is expressed by stem cells of the hematopoietic system and is primarily used to identify and concentrate these cells for experimental studies as well as for bone marrow transplantation. Anti-CD31 has shown to be highly specific and sensitive for vascular endothelial cells. Staining of nonvascular tumors (excluding hematopoietic neoplasms) is rare. CD31 MAb reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining. The level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression may imply a rapidly growing tumor and potentially a predictor of tumor recurrence.
Immunogen	Human recombinant CD31 protein (C31.3) & Membrane preparation of a spleen from a patient with hairy cell leukemia (JC/70A)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Flow cytometry 0.5-1ug/million cells, Immunocytochemistry/Immunofluorescence 0.5-1ug/ml, Western Blot 0.5-1.0ug/ml, Immunoprecipitation 0.5-1ug/500ug protein lysate, Immunohistochemistry-frozen 0.5-1.0ug/ml, Immunohistochemistry-Paraffin 0.5-1.0ug/ml
Application Notes	Immunohistochemistry (Staining of formalin-fixed tissues requires boiling tissue sections in 1mM EDTA, pH 7.5-8.5, for 10-20 min followed by cooling at RT for 20 minutes)

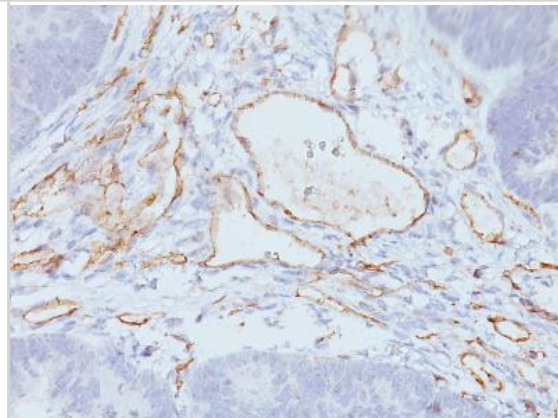


## Images

Immunohistochemistry-Paraffin: CD31/PECAM-1 Antibody (C31.3 + JC/70A) [Azide Free] [NBP2-34578] - Formalin-paraffin human Angiosarcoma stained with CD31 MAb (C31.3 + JC/70A)



Immunohistochemistry-Paraffin: CD31/PECAM-1 Antibody (C31.3 + JC/70A) [Azide Free] [NBP2-34578] - Formalin-paraffin human Colon Carcinoma stained with CD31 MAb (C31.3 + JC/70A)





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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).**

