

Product Datasheet

CD31/PECAM-1 Antibody (1A10)

NBP2-44339-0.1ml

Unit Size: 0.1 ml

Store at 4C.

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NBP2-44339-0.1ml**CD31/PECAM-1 Antibody (1A10)**

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	1A10
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Tissue culture supernatant
Buffer	Tissue culture supernatant
Target Molecular Weight	82.5 kDa
Product Description	
Description	Tissue culture supernatant with 0.05% Azide. Store at 2 to 8C.
Host	Mouse
Gene ID	5175
Gene Symbol	PECAM1
Species	Human
Marker	Endothelial Cell Marker
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 monoclonal antibody 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	Prokaryotic recombinant fusion protein corresponding to a portion of the extracellular domain downstream of the signal sequence of the CD31/PECAM-1 (Uniprot: P16284)
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1:50-1:100

Application Notes

Hu-chromosome location: 17q23.3 Molecular weight of antigen: ~100kDa (endothelium) and ~130kDa (platelets)
Immunohistochemistry (Formalin-fixed): 1:50-1:100 for 30 minutes at RT.
Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.
The 7mL size is a pre-diluted size and no additional dilutions are required before using this item for the intended application.





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Products Related to NBP2-44339-0.1ml

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-54655PEP	CD31/PECAM-1 Recombinant Protein Antigen

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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