

Product Datasheet

PECAM-1 Antibody (orb389184)

Catalog Number	orb389184
Category	Antibodies
Description	Mouse monoclonal antibody to CD31
Target	PECAM-1
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% rAlbumin & 0.05% azide. Also available WITHOUT rAlbumin & azide at 1.0mg/ml.
Immunogen	Membrane preparation of a spleen from a patient with hairy cell leukemia
UniProt ID	P16284
MW	~100kDa (endothelium) and ~130kDa (platelets)'
Tested applications	FC, IF, IHC, WB
Dilution range	Flow Cytometry (Flow): 1-2ug/million cells, IF/ICC: 1-3ug/ml, WB: 2-4ug/ml, IHC-P: 1-2ug/ml
Application notes	CD31 / PECAM-1 (Endothelial Cell Marker)

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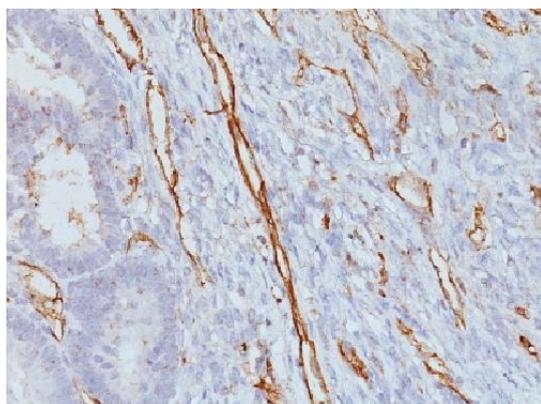
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Specificity	Expressed on platelets and leukocytes and is primarily concentrated at the borders between endothelial cells (PubMed:18388311, PubMed:21464369). Expressed in human umbilical vein endothelial cells (HUVECs) (at protein level) (PubMed:19342684, PubMed:17580308). Expressed on neutrophils (at protein level) (PubMed:17580308). Isoform Long predominates in all tissues examined (PubMed:12433657). Isoform Delta12 is detected only in trachea (PubMed:12433657). Isoform Delta14-15 is only detected in lung (PubMed:12433657). Isoform Delta14 is detected in all tissues examined with the strongest expression in heart (PubMed:12433657). Isoform Delta15 is expressed in brain, testis, ovary, cell surface of platelets, human umbilical vein endothelial cells (HUVECs), Jurkat T-cell leukemia, human erythroleukemia (HEL) and U-937 histiocytic lymphoma cell lines (at protein level) (PubMed:12433657, PubMed:18388311).
Clone Number	JC/70A
Expression System	HEK293 cells
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Immunohistochemical staining of human Colon carcinoma tissue using CD31 antibody

Biorbyt Ltd.

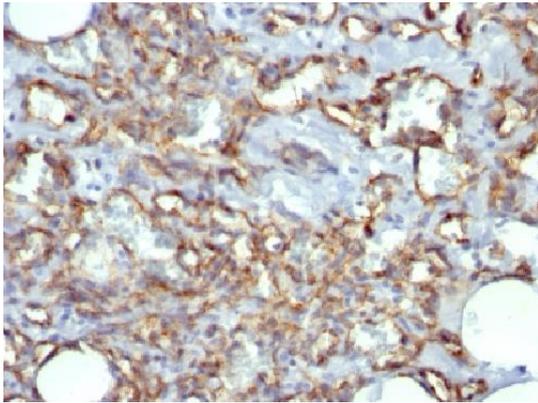
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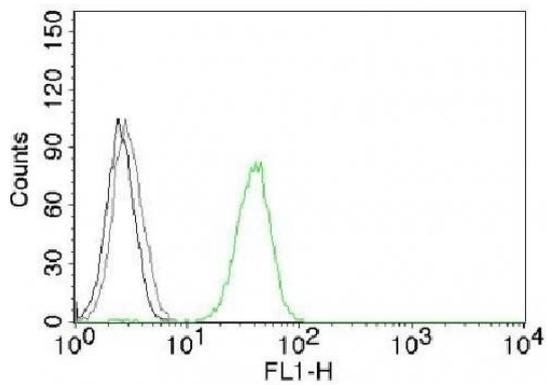
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Immunohistochemical staining of human angiosarcoma tissue using CD31 antibody



Flow cytometric analysis of Jurkat Cells using CD31 antibody

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