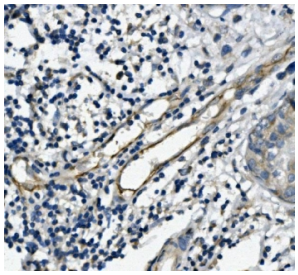
PECAM1 Antibody 2D4 / CD31 Mouse Monoclonal [clone 2D4] (RQ5938)

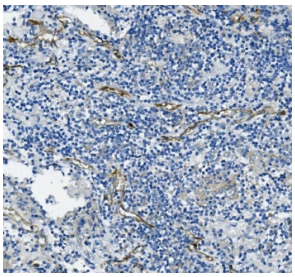
Catalog No.	Formulation	Size
RQ5938	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

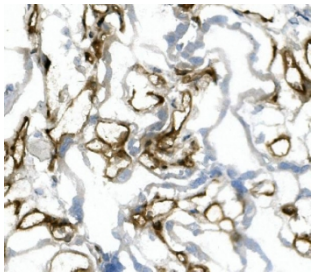
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	2D4
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P16284
Localization	Cell surface, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE & Frozen): 1-2ug/ml
Limitations	This PECAM1 Antibody 2D4 is available for research use only.



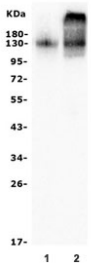
PECAM1 Antibody 2D4 Immunohistochemistry Analysis. IHC staining of FFPE human breast cancer with PECAM1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human lung cancer with PECAM1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of frozen human placenta with PECAM1 antibody.



Western blot testing of human 1) Jurkat and 2) placenta lysate with PECAM1 antibody. Expected molecular weight: 83-130 kDa depending on level of glycosylation.

Description

PECAM1 Antibody 2D4 detects CD31 also known as Platelet endothelial cell adhesion molecule (PECAM-1), a protein that in human is encoded by the PECAM1 gene. Encoded protein is a member of the immunoglobulin superfamily, CD31 is mapped to 17q23.3. CD31 is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. It is demonstrated that CD31 expression on human PBSCs may positively affect both neutrophil and platelet engraftment. Meanwhile, CD31 is involved in leukocyte migration and angiogenesis, which are key components of venous thrombus resolution.

For a Protein Microarray Validated monoclonal antibody with CD31 as the primary designation, see our CD31 Antibody PECAM1/3527 / PECAM-1 Monoclonal Antibody.

Application Notes

Optimal dilution of the PECAM1 Antibody 2D4 should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q28-G382) was used as the immunogen for the PECAM1 Antibody 2D4.

Storage

After reconstitution, the PECAM1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

PECAM-1 antibody, PECAM1 antibody, CD31 antibody, Platelet Endothelial Cell Adhesion Molecule 1 antibody, EndoCAM antibody, PECA1 antibody, GPIIA antibody

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