

Mouse anti-Human CD31 Monoclonal Antibody | anti-CD31 antibody

Monoclonal Antibody to CD31 (Clone: PECAM-1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78430	Mouse	Human	Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

CD31; Monoclonal Antibody; Monoclonal Antibody to CD31 (Clone: PECAM-1); EndoCAM; GPIIA'; PECA1; anti-CD31 antibody

PRODUCT SPECIFICATIONS

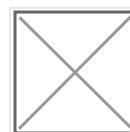
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	PECAM-1
Purity/Purification	Purified Protein G Chromatography
Form/Format	100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	738
Applicable Applications for anti-CD31 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Antigen	CD31
Immunogen Information	Human spleen membranes from a patient with hairy cell leukemia was used as immunogen to generate the CD31 (PECAM-1) antibody.
Conjugation	Unconjugated
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeat freezing and thawing

IMAGES



IHC (Immunohistochemistry)

Fig: 2 Immunohistochemical analysis of CD31 in human lung squamous cell carcinoma (left) and bladder transitional cell carcinoma (right) using CD31 antibody (Clone: PECAM-1) at 1: 200 dilution.



FCM/FACS (Flow Cytometry)

Fig.1: FLOW Cytometry analysis of CD31 in human PBMC using 0.5ug antibody per 10⁶ cells. Green represents isotope control. Red represents anti-CD31 antibody (Clone: PECAM-1). Goat anti-mouse IgG conjugated with PE was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD31 antibody	CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules, and plays key roles in leukocyte migration, angiogenesis, and integrin activation. CD31 is expressed on endothelial and hematopoeitic (platelets, monocytes, macrophages, granulocytes, T and B lymphocytes, dendritic, bone marrow stem and adult) cells.
Product Categories/Family for anti-CD31 antibody	Cancer Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	313760624
NCBI GeneID	5175
NCBI Accession #	NP_000433.4
NCBI GenBank Nucleotide #	NM_000442.4
UniProt Accession #	P16284; Q6LDA9; Q8TBH1; Q96RF5; Q96RF6; Q9NP65; Q9NPB7; Q9NPG9; Q9NQS9; Q9NQT0; A8K3S7; D3DU31
Molecular Weight	81,378 Da
NCBI Official Full Name	platelet endothelial cell adhesion molecule
NCBI Official Synonym Full Names	platelet and endothelial cell adhesion molecule 1
NCBI Official Symbol	PECAM1
NCBI Official Synonym Symbols	CD31; PECA1; GPIIA'; PECAM-1; endoCAM; CD31/EndoCAM
NCBI Protein Information	platelet endothelial cell adhesion molecule
UniProt Protein Name	Platelet endothelial cell adhesion molecule
UniProt Gene Name	PECAM1
UniProt Synonym Gene Names	PECAM-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd31-antibody-clone-pecam-1-flow-cytometry-immunohistochemistry-elisa/78430>