

Mouse CD31 / PECAM-1 Monoclonal Antibody | anti-PECAM1 antibody

CD31 / PECAM-1 (Endothelial Cell Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62672	Mouse	Human, Cynomolgus Monkey, Rabbit, Rat	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

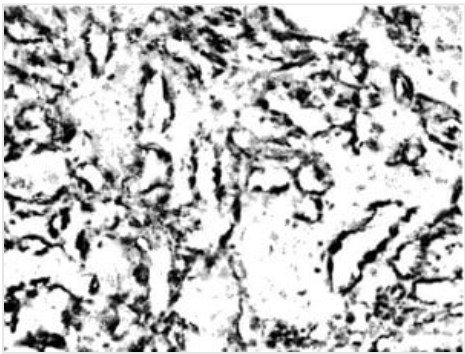
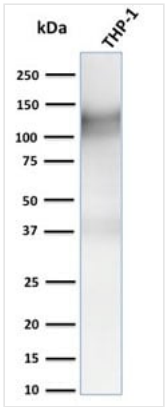
PRODUCT SYNONYMS

CD31 / PECAM-1; Monoclonal Antibody; CD31 / PECAM-1 (Endothelial Cell Marker) Mouse Monoclonal Antibody; EndoCAM; PECA1; Platelet Endothelial Cell Adhesion Molecule 1; GPIIA; anti-PECAM1 antibody

PRODUCT SPECIFICATIONS

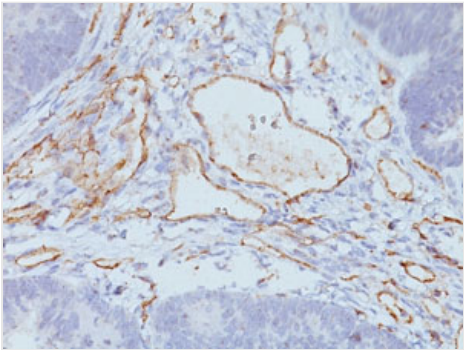
Host	Mouse
Reactivity	Human, Cynomolgus Monkey, Rabbit, Rat
Clonality	Monoclonal
Isotype	Mouse/IgG1,kappa+ IgG1,kappa+ IgG1,kappa
Clone Number	C31.3 + C31.7 + C31.10
Specificity	CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules. CD31 is 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.
Form/Format	1.0mg/ml of Ab purified from Bioreactor Concentrate by Protein A/G.
Sequence Length	738
Applicable Applications for anti-PECAM1 antibody	IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface and Cytoplasm of endothelial cells
Immunogen	Recombinant full length human CD31 protein.
Hu-Chromosome Location	17q23.3
Positive Control	THP-1, Jurkat cells. Tonsil or Angiosarcoma.
Preparation and Storage	Antibody without azide - store at -20°C to -80°C. Non-hazardous. No MSDS required.

IMAGES



Application Data
Formalin-fixed, paraffin embedded Angiosarcoma stained with CD31 Mouse Monoclonal Antibody (C31.3+C31.7+C31.10).

WB (Western Blot)
Western Blot Analysis of human THP-1 cell lysate using CD31 Mouse Monoclonal Antibody (C31.3+C31.7+C31.10).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Colon Carcinoma stained with CD31 Monoclonal Antibody (C31.3+C31.7+C31.10)

ADDITIONAL INFORMATION

References	Gratzinger D et. al. Am J Clin Pathol 131:264-278 (2009).
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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	~100kDa (endothelium); ~130kDa (platelets)
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
UniProt Entry Name	PECA1_HUMAN

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-pecam-1-antibody-clone-c31-3-c31-7-c31-10-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/62672>