

Mouse anti-Human CD31 Monoclonal Antibody | anti-PECAM1 antibody

CD31 Antibody

CATALOG # AAA290445	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

CD31; Monoclonal Antibody; CD31 Antibody; Purified Mouse Monoclonal Antibody (Mab); Adhesion molecule; CD31 antigen; CD31 EndoCAM; Endocam; FLJ34100; FLJ58394; GPIIA; GPIIA'; PECA1; PECA1_HUMAN; Pecam 1; PECAM 1 CD31 EndoCAM; PECAM; PECAM-1; Pecam1; Platelet endothelial cell adhesion molecule; Platelet/endothelial cell adhesion molecule 1; Platelet/endothelial cell adhesion molecule.; anti-PECAM1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide,0.1mg/mlBSA and 50% glycerol.
Sequence Length	738
Applicable Applications for anti-PECAM1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Antigen Source	Human
Antigen Type	Recombinant Protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of THP-1 cell lysates using CD31 mouse mAb.



WB (Western Blot)

Western blot detection of CD31 in THP-1 cell lysate using CD31 mouse mAb (1:1000 diluted). Predicted band size: 130KDa. Observed band size: 130KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PECAM1 antibody	Induces susceptibility to atherosclerosis (By similarity). Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions. Tyr-690 plays a critical role in TEM and is required for efficient trafficking of PECAM1 to and from the lateral border recycling compartment (LBRC) and is also essential for the LBRC membrane to be targeted around migrating leukocytes. Prevents phagocyte ingestion of closely apposed viable cells by transmitting 'detachment' signals, and changes function on apoptosis, promoting tethering of dying cells to phagocytes (the encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces leads to the viable cell's active repulsion from the phagocyte. During apoptosis, the inside-out signaling of PECAM1 is somehow disabled so that the apoptotic cell does not actively reject the phagocyte anymore. The lack of this repulsion signal together with the interaction of the eat-me signals and their respective receptors causes the attachment of the apoptotic cell to the phagocyte, thus triggering the process of engulfment). Isoform Delta15 is unable to protect against apoptosis. Modulates BDKRB2 activation. Regulates bradykinin- and hyperosmotic shock-induced ERK1/2 activation in human umbilical cord vein cells (HUVEC).
Product Categories/Family for anti-PECAM1 antibody	Cancer ; Cardiovascular ; Immunology ; Signal transduction ; Stem cells
References	Simmons D.L.,et al.J. Exp. Med. 171:2147-2152(1990). Stockinger H.,et al.J. Immunol. 145:3889-3897(1990). Newman P.J.,et al.Science 247:1219-1222(1990). Albelda S.M.,et al.J. Cell Biol. 114:1059-1068(1991). Kirschbaum N.E.,et al.Blood 84:4028-4037(1994).

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	82536
NCBI Official Full Name	platelet endothelial cell adhesion molecule
NCBI Official Synonym Full Names	platelet/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-antibody-immunoprecipitation-western-blot-elisa/290445>