

Rabbit M CD31 Polyclonal Antibody | anti-Pecam1 antibody

M CD31 Antibody (C-term)

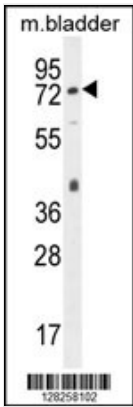
CATALOG # AAA289614	HOST Rabbit	REACTIVITY Mouse, Hamster	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

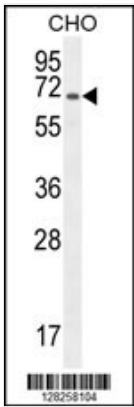
M CD31; Polyclonal Antibody; M CD31 Antibody (C-term); Platelet endothelial cell adhesion molecule; PECAM-1; CD31; Pecam1; Pecam; Pecam-1; anti-Pecam1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Hamster
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse CD31 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 508-536 amino acids from the C-terminal region of mouse CD31.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	508-536
Sequence Length	626
Applicable Applications for anti-Pecam1 antibody	ELISA, WB (Western Blot)
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell membrane; Lipid-anchor. Cell junction note= Localizes to the lateral border recycling compartment (LBRC) and recycles from the LBRC to the junction in resting endothelial cells.
Tissue Location	Isoform 1 and isoform 3 are expressed in lung and platelets.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Mouse CD31 Antibody (C-term) western blot analysis in mouse bladder tissue lysates (35ug/lane). This demonstrates the MouseCD31 antibody detected the MouseCD31 protein (arrow).



WB (Western Blot)
Mouse CD31 Antibody (C-term) western blot analysis in CHO cell line lysates (35ug/lane). This demonstrates the MouseCD31 antibody detected the Mouse CD31 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Pecam1 antibody	Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions. Tyr-679 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). Modulates BDKRB2 activation (By similarity). Induces susceptibility to atherosclerosis.
Product Categories/Family for anti-Pecam1 antibody	Cancer; Cardiovascular; Signal transduction
References	DeLisser, H., et al. Proc. Natl. Acad. Sci. U.S.A. 107(43):18616-18621(2010) Zhang, C., et al. Dev. Dyn. 239(10):2594-2602(2010) Enciso, J.M., et al. Dev. Dyn. 239(10):2570-2583(2010) Ni, A., et al. Dev. Dyn. 239(9):2354-2366(2010) Sessa, A., et al. Genes Dev. 24(16):1816-1826(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	74024915
NCBI GeneID	18613
NCBI Accession #	NP_032842.2
NCBI GenBank Nucleotide #	NM_001032378.2
UniProt Accession #	Q08481; Q3TES6; Q922E0; B1ARB1; B1ARB2
NCBI Official Full Name	platelet endothelial cell adhesion molecule isoform 2
NCBI Official Synonym Full Names	platelet/endothelial cell adhesion molecule 1
NCBI Official Symbol	Pecam1
NCBI Official Synonym Symbols	Cd31; Pecam; C85791; PECAM-1
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; Pecam-1; PECAM-1
UniProt Entry Name	PECA1_MOUSE

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://www.aaabiotech.com/polyclonal/m-cd31-antibody-western-blot-elisa/289614>