

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

CD31/PECAM1 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283090	Mouse	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

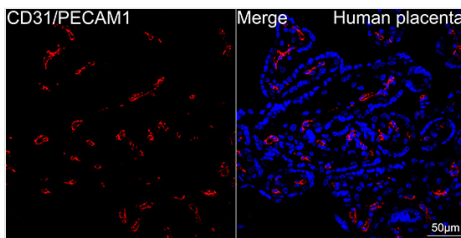
PRODUCT SYNONYMS

CD31/PECAM1; Monoclonal Antibody; CD31/PECAM1 Mouse mAb; CD31; PECA1; GPIIA; PECAM-1; endoCAM; CD31/EndoCAM; anti-PECAM1 antibody

PRODUCT SPECIFICATIONS

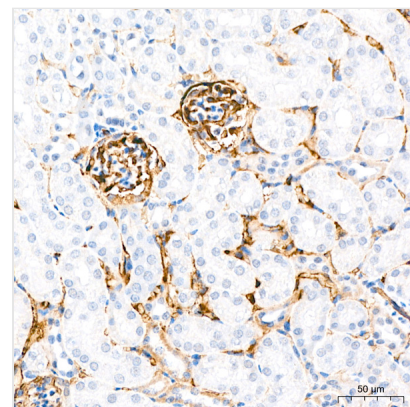
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	AKQMPVEMSR PAVPLLNSNN EKMSDPNMEA NSHYGHNDV RNHAMKPIND NKEPLNSDVQ YTEVQVSSAE SHKDLGKKDT ETVYSEVRKA VPDVESRYS RTEGSLDGT
Applicable Applications for anti-PECAM1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 630-738 of CD31/PECAM1 (NP_000433.4).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



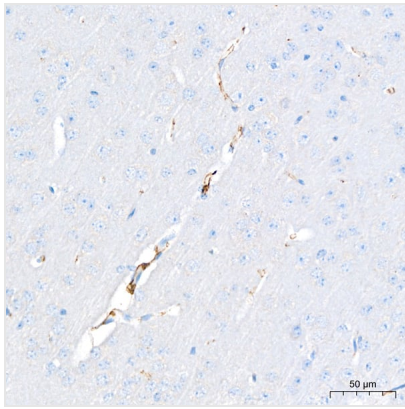
ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Human placenta tissue using CD31/PECAM1 Mouse mAb (AAA283090, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Mouse IgG (H+L) (AS008, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



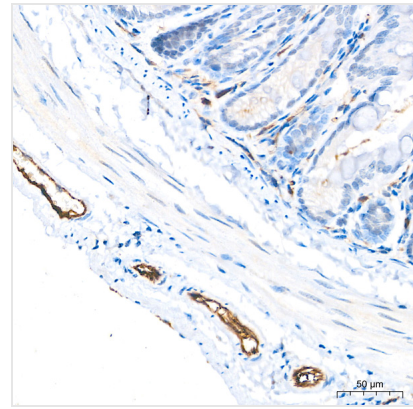
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using CD31/PECAM1 Mouse mAb (AAA283090) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



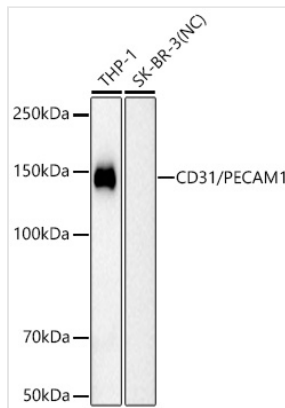
IHC (Immunohistochemisry)

Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using CD31/PECAM1 Mouse mAb (AAA283090) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



IHC (Immunohiostchemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using CD31/PECAM1 Mouse mAb (AAA283090) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using CD31/PECAM1 Mouse mAb (AAA283090) at 1:1000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Negative control (NC): SK-BR-3Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-PECAM1 antibody	The protein encoded by this gene 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. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation.
Product Categories/Family for anti-PECAM1 antibody	Cancer ; Tumor immunology ; Invasion and Metastasis ; Signal Transduction ; Cell Biology Developmental Biology ; Cell Adhesion ; Cytoskeleton ; Immunology Inflammation ; CDs ; Stem Cells ; Hematopoietic Progenitors ; Mesenchymal Stem Cells ; Cardiovascular ; Angiogene

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 ; Q9NQT1 ; Q9NQT2
Molecular Weight	Calculated MW: 83kDa Observed MW: 130kDa

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-pecam1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283090>