

CD31 recombinant antibody

Rabbit anti-CD31 Recombinant Monoclonal Antibody [BLR180J]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213629	Rabbit	Mouse	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CD31; Monoclonal Recombinant Antibody; Rabbit anti-CD31 Recombinant Monoclonal Antibody [BLR180J]; CD31/PECAM-1; Cd31; platelet endothelial cell adhesion molecule; Pecam; C85791; PECAM-1; CD antigen CD31; Platelet endothelial cell adhesion molecule; platelet/endothelial cell adhesion molecule 1; CD31 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Clone Number	BLR180J
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Borate Buffered Saline (BBS) pH 8.2 with 0.09% Sodium Azide, BSA-Free
Concentration	1000ug/ml (varies by lot)
Applicable Applications for CD31 recombinant antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



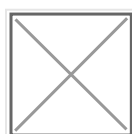
WB (Western Blot)

Detection of mouse CD31 by western blot. Samples: Whole cell lysate (50 ug) from HEK293f and HEK293f overexpressing mouse CD31 prepared using NETN lysis buffer. Antibody: Rabbit anti-CD31 recombinant monoclonal antibody (AAA213629 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



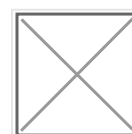
WB (Western Blot)

Detection of mouse CD31 by western blot. Samples: Whole cell lysate (50 ug) from NIH 3T3, TCMK-1, Ba/F3, 70Z/3, and CH27 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD31 recombinant monoclonal antibody (AAA213629 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-COPB2 antibody . Lower Panel: Rabbit anti-COPB2 antibody .



IHC (Immunohistochemistry)

Detection of mouse CD31 in mouse uterus by IHC. Antibody: Rabbit anti-CD31 recombinant monoclonal antibody (AAA213629 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB



IHC (Immunohistochemistry)

Detection of mouse CD31 in mouse liver by IHC. Antibody: Rabbit anti-CD31 recombinant monoclonal antibody (AAA213629 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB



FCM/FACS (Flow Cytometry)

Detection of mouse CD31 (shaded) in Ba/F3 cells by flow cytometry. Antibody: Rabbit anti-CD31 recombinant monoclonal antibody (AAA213629) or isotype control (unshaded).

Secondary: DyLight 650-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for CD31 recombinant antibody	CD31 is a cell adhesion molecule expressed mainly in platelets, endothelial cells, and a subset of leukocytes. CD31 localizes to cell-cell junctions and functions as a signaling molecule involved in a variety of vascular-related processes such as angiogenesis, platelet function, and inflammation.
Product Categories/Family for CD31 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	74024907
NCBI GeneID	18613
NCBI Accession #	NP_032842.2; NP_001027550.1; NP_113779.1
NCBI GenBank Nucleotide #	NM_008816.3
UniProt Accession #	Q08481; Q3TES6; Q922E0; B1ARB1; B1ARB2
Molecular Weight	80kDa; 76.2kDa
NCBI Official Full Name	platelet endothelial cell adhesion molecule isoform 1
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://stage.aaabiotech.com/monoclonal/cd31-recombinant-antibody-clone-blr180j-flow-cytometry-immunohistochemistry-western-blot-elisa/213629>