

CD31/PECAM-1 recombinant antibody

Rabbit anti-CD31/PECAM-1 Recombinant Monoclonal Antibody [BLR127H]

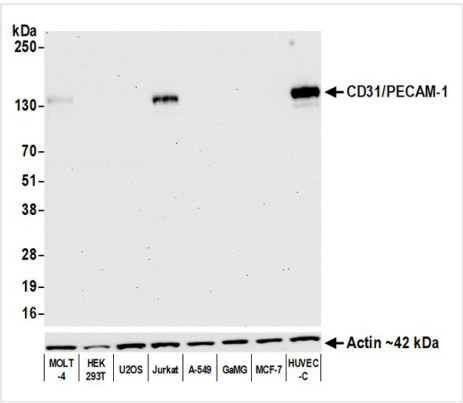
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213593	Rabbit	Human	Flow Cytometry, Functional Assay, Immunocytochemistry, Immunohistochemistry, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

CD31/PECAM-1; Monoclonal Recombinant Antibody; Rabbit anti-CD31/PECAM-1 Recombinant Monoclonal Antibody [BLR127H]; CD antigen CD31; PECA1; platelet endothelial cell adhesion molecule-1; platelet endothelial cell adhesion molecule; PECAM-1; endoCAM; CD31/EndoCAM; CD31 antigen; CD31; GPIIA; Platelet endothelial cell adhesion molecule; platelet and endothelial cell adhesion molecule 1; CD31/PECAM-1 recombinant antibody

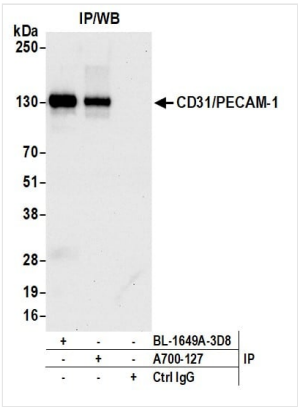
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	BLR127H
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/PECAM-1 recombinant antibody	FCM/FACS (Flow Cytometry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Residues 28-601 (ECD)
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



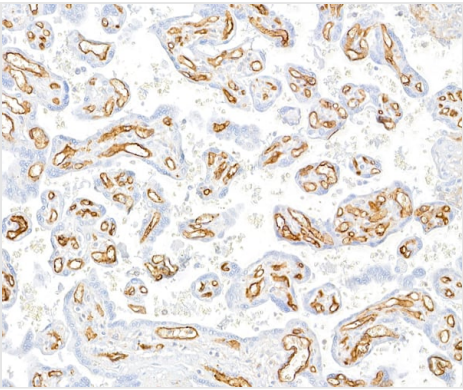
WB (Western Blot)

Detection of human CD31/PECAM-1 by western blot. Samples: Whole cell lysate (10 ug) from MOLT-4, HEK293T, U2OS, Jurkat, A-549, GaMG, MCF-7, and HUVEC-C cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD31/PECAM-1 recombinant monoclonal antibody (AAA213593 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 30 seconds.



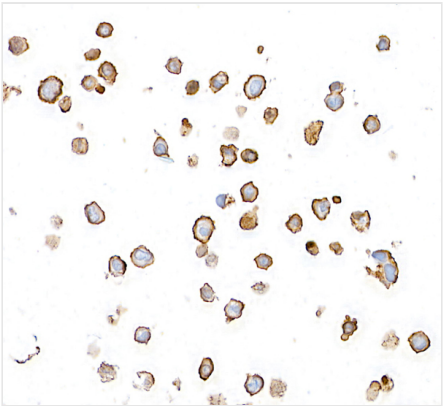
IP (Immunoprecipitation)

Detection of human CD31/PECAM-1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-CD31/PECAM-1 recombinant monoclonal antibody (AAA213593 lot 1) used for IP at 6 ul per reaction. CD31/PECAM-1 was also immunoprecipitated by rabbit anti-CD31/PECAM-1 antibody BL-1649A-3D8. For blotting immunoprecipitated CD31/PECAM-1, AAA213593 was used at 1:1000. Detection: Chemiluminescence with an exposure time of 3 seconds.



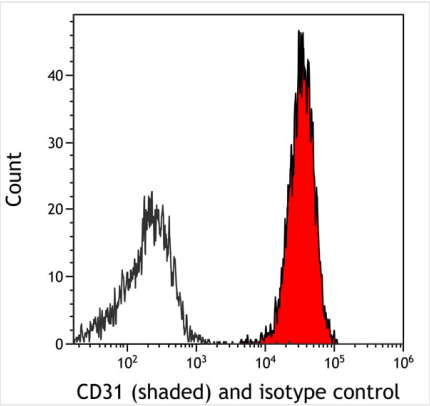
IHC (Immunohistochemistry)

Detection of human CD31/PECAM-1 in FFPE placenta by immunohistochemistry. Antibody: Rabbit anti- CD31/PECAM-1 recombinant monoclonal antibody (AAA213593 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



ICC (Immunocytochemistry)

Detection of human CD31/PECAM-1 in FFPE THP-1 cells by immunocytochemistry. Antibody: Rabbit anti- CD31/PECAM-1 recombinant monoclonal antibody (AAA213593 lot 1). Secondary: HRP-conjugated goat anti-rabbit IgG . Substrate: DAB.



FCM/FACS (Flow Cytometry)

Detection of human CD31 (shaded) in Jurkat cells by flow cytometry. Antibody: Rabbit anti-CD31 recombinant monoclonal (AAA213593 lot 1) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-rabbit IgG .

ADDITIONAL INFORMATION

Related Product Information for CD31/PECAM-1 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/PECAM-1 recombinant antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	5175
UniProt Accession #	P16284
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-recombinant-antibody-clone-blr127h-flow-cytometry-immunocytochemistry-immunohistochemistry-immunoprecipitation-western-blot-elisa/213593>