

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

Anti-CD31 [BAG-85D10]

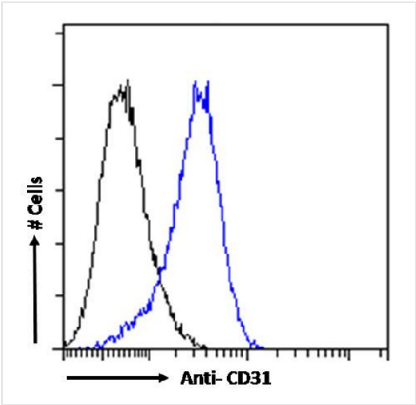
CATALOG # AAA72147	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

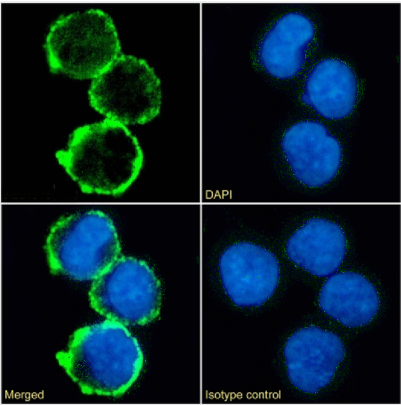
CD31; Monoclonal Antibody; Anti-CD31 [BAG-85D10]; PECAM1; Platelet endothelial cell adhesion molecule; PECAM-1; EndoCAM; GPIIA⁺; PECA1; JC/70A; BAG 85D10; anti-CD31 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1, kappa
Clone Number	BAG-85D10
Specificity	This antibody recognizes CD31 (PECAM1) which is a member of the immunoglobulin superfamily and is expressed at various circulating cells, such as neutrophils, monocytes, platelets as well as on endothelial cells. CD31 is a cell adhesion molecule and is involved in the leukocyte transendothelial migration during inflammation.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD31 antibody	IHC (Immunohistochemistry)
PMID	8559609
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



FCM/FACS (Flow Cytometry)
Flow cytometry using the Anti-CD31 antibody BAG-85D10 . Paraformaldehyde fixed Jurkat cells were stained with anti-unknown specificity antibody or the rabbit IgG version of BAG-85D10 at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



IF (Immunofluorescence)
Immunofluorescence staining of fixed K562 cells with anti-CD31 antibody BAG-85D10
Immunofluorescence analysis of paraformaldehyde fixed K562 cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of BAG-85D10 at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD31 antibody	Recombinant monoclonal antibody to CD31. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma BAG-85D10. This antibody was raised by immunising mice with human peripheral blood lymphocytes from a patient with high numbers of gamma-delta T cells.
Product Categories/Family for anti-CD31 antibody	megakaryocytes ; thrombocytes ; immunology
References	von Schweinitz et al. Extramedullary Hematopoiesis and Intratumoral Production of Cytokines in Childhood Hepatoblastoma <i>Pediatr Res.</i> 1995 Oct;38(4):555-63 Note on publication: This article describes the use of BAG 85D10 antibody.

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	82,536 Da
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; CD31 antigen
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-clone-bag-85d10-immunohistochemistry-elisa/72147>