

Datasheet for ABIN7072617

Recombinant anti-CD31 antibody



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1 Image

Overview

Quantity:	200 µg
Target:	CD31 (PECAM1)
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This CD31 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-CD31 [BAG-85D10], Rabbit IgG, kappa
Immunogen:	This antibody was raised by immunising mice with human peripheral blood lymphocytes from a patient with high numbers of gamma-delta T cells.
Clone:	BAG-85D10
Isotype:	IgG kappa
Specificity:	This antibody recognises 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.
Characteristics:	Original Species of Ab: Mouse Original Format of Ab: IgG1

Product Details

Purification: Protein A affinity purified

Target Details

Target: CD31 (PECAM1)

Alternative Name: CD31 ([PECAM1 Products](#))

Background: PECAM1, Platelet endothelial cell adhesion molecule, PECAM-1, EndoCAM, GPIIA', PECA1, JC/70A, BAG 85D10

UniProt: [P16284](#)

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

Application Notes: This antibody is recommended for the detection and identification of megakaryocytes and thrombocytes. It was used to analyse megakaryocytes in the fetal hepatoblastoma tissue samples (von Schweinitz et al., 1995).

Comment: This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

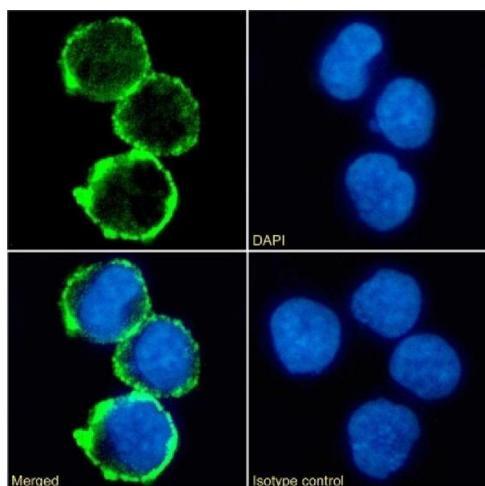
Buffer: PBS with 0.02 % Proclin 300.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunofluorescence

Image 1. 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 (ABIN7072617) at 10 µg/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 µg/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072617, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (ABIN5668079) followed by staining with Alexa Fluor® 488 secondary antibody.