

Datasheet for ABIN7539273 **anti-CD31 antibody**

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Overview

Quantity:	100 µg
Target:	CD31 (PECAM1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD31 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	CD31/PECAM-1 antibody
Immunogen:	Recombinant human soluble CD31
Specificity:	Chromosomal location:Xp22.33,Yp11.3
Purification:	Protein A purified

Target Details

Target:	CD31 (PECAM1)
Alternative Name:	CD31/PECAM-1 (PECAM1 Products)
Background:	PECAM-1, CD31, PECA1, GPIIA', PECAM-1, endoCAM, CD31/EndoCAM, PECAM is transmembrane glycoprotein that belongs to the Ig-related superfamily of adhesion molecules. It is highly expressed at endothelial cell junctions, and also expressed in platelets and in most leukocyte sub-types. The primary function of PECAM-1 is the mediation of leukocyte-endothelial

Target Details

cell adhesion and signal transduction. PECAM-1 has been implicated in the pathogenesis of various inflammation related disorders, including thrombosis, multiple sclerosis (MS), and rheumatoid arthritis. The human PECAM-1 gene codes for a 738 amino acid transmembrane glycoprotein containing a 118 amino acid cytoplasmic domain, a 19 amino acid transmembrane domain, and a 574 amino acid extracellular domain. Recombinant human PECAM-1 is a 572 amino acid glycoprotein comprising the extracellular domain of PECAM-1. Monomeric glycosylated PECAM-1 migrates at an apparent molecular weight of approximately 80.0-95.0 kDa by SDS-PAGE analysis under reducing conditions.

Gene ID:	5175
NCBI Accession:	NM_000442 , NP_000433
UniProt:	P16284
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL.
Buffer:	PBS
Storage:	4 °C, -20 °C
Storage Comment:	The lyophilized antibody is stable for at least 2 years at -20°C. After sterile reconstitution the antibody is stable at 2-8°C for up to 6 months. Frozen aliquots are stable for at least 6 months when stored at -20°C. Addition of a carrier protein or 50% glycerol is recommended for frozen aliquots.
Expiry Date:	24 months