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Datasheet for ABIN7539345
CD31 Protein (Soluble) (His tag)

Overview

Quantity:	10 µg
Target:	CD31 (PECAM1)
Protein Characteristics:	Soluble
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD31 protein is labelled with His tag.

Product Details

Purpose:	CD31/PECAM-1, soluble
Sequence:	QENSFTINSV DMKSLPDWTV QNGKNLTLQC FADVSTTSHV KPQHQMFLFYK DDVLFYNISS MKSTESYFIP EVRIYDSGT Y KCTVIVNNKE KTTAEYQVLV EGVPSPRVTL DKKEAIQGGI VRVNCVPEE KAPIHFTIEK LELNEKMVKL KREKNSRDQN FVILEFPVEE QDRVLSFRCQ ARIISGIHMQ TSESTKSELV TVTESFSTPK FHISPTGMIM EGAQLHIKCT IQVTHLAQEF PEIIIQKDKA IVAHNRHGNK AVYSVMAMVE HSGNYTCKVE SSRISKVSSI VVNITELFSK PELESSFTHL DQGERLNLSC SIPGAPPANF TIQKEDTIVS QTQDFTKIAS KSDSGTYICT AGIDKVVKKS NTVQIVVCEM LSQPRISYDA QFEVIKGQTI EVRCESISGT LPISYQLLKT SKVLENSTKN SNDPAVFKDN PTEDVEYQCV ADNCHSHAKM LSEVLRVKVI APVDEVQISI LSSKVVESGE DIVLQCAVNE GSGPITYKFY REKEGKPFYQ MTSNATQAFW TKQKASKEQE GEYYCTAFNR ANHASSVPRS KILTVRVILA PWKKTRHHHH HH
Specificity:	Chromosomal location:Xp22.33,Yp11.3
Characteristics:	Length (aa):582

Product Details

Purity: > 98 % by SDS-PAGE and Coomassie stain

Endotoxin Level: < 0.1 ng/μg of protein (<1EU/μg)

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 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.

Molecular Weight: 80-85 kDa

Gene ID: 5175

NCBI Accession: [NM_000442](#), [NP_000433](#)

UniProt: [P16284](#)

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized