

Datasheet for ABIN7596207

Selectin E/CD62e Protein (AA 22-556) (His tag)



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Overview

Quantity:	500 µg
Target:	Selectin E/CD62e (SELE)
Protein Characteristics:	AA 22-556
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Selectin E/CD62e protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	WSYNTSTEAM TYDEASAYCQ QRYTHLVAIQ NKEEIEYLNS ILSYSPSYW IGIRKVNNVW VWVGQTQKPLT EEAKNWAPGE PNNRQKDEDC VEIYIKREKD VGMWNDERCS KKKLALCYTA ACTNTSCSGH GECVETINNY TCKCDPGFSG LKCEQIVNCT ALESPEHGSL VCSHPLGNFS YNSSCSISCD RGYLPSSMET MQCMSSGEWS APIACNVVE CDAVTNPANG FVECFQNP GS FPWNTTCTFD CEEGFELMGA QSLQCTSSGN WDNEKPTCKA VTCRAVRQPQ NGSVRC SHSP AGEFTFKSSC NFTCEE GFML QGPAQVECTT QGQWTQQIPV CEAFQCTALS NPERGYMNCL PSASGSFRYG SSCEFSCEQG FVLKGSKRLQ CGPTGEWDNE KPTCEAVRCD AVHQPPKGLV RCAHSPIGEF TYKSSCAFSC EEGFELHGST QLECTSQGQW TEEVPSCQVW KCSSLAVPGK INMSCSGEPV FGTVCKFACP EGWTLNGSAA RTCGATGHWS GLLPTCEAPT ESNIP
Purity:	> 95% by SDS - PAGE

Product Details

Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When cells are added to human E-Selectin/CD62E coated plates 2ug/ml. This effect is more to 40%.

Target Details

Target:	Selectin E/CD62e (SELE)
Alternative Name:	E-selectin/CD62E
Background:	E-selectin, also known as CD62 antigen-like family member E (CD62E), is a member of the Selectin family. It is a selectin cell adhesion molecule expressed only on endothelial cells activated by cytokines. Like other selectins, it plays an important part in inflammation. The local release of cytokines IL-1 and TNF-α by Macrophages in the inflamed tissue induces the over-expression of E-selectin on endothelial cells of nearby blood vessels. As the inflammatory response progresses, chemokines released by injured tissue enter the blood vessels and activate the rolling leukocytes, which are now able to tightly bind to the endothelial surface and begin making their way into the tissue. While numerous pieces of in vitro and clinical evidence continue to support this hypothesis of E-selectin-mediated cancer metastasis, in vivo studies of cancer metastasis have shown that E-selectin knockout only minimally affects leukemic cell adhesion to bone immediately following injection. Recombinant human E-selectin, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	59.4kDa(541aa)
NCBI Accession:	NP_000441
Pathways:	Thromboxane A2 Receptor Signaling

Application Details

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

Handling

Format:	Liquid
Concentration:	0.5 mg/mL

Handling

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.