
Product Data Sheet

Product Name: SELE Human, Sf9
 Cat. No.: GP26329
 Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms E-selectin, Endothelial leukocyte adhesion molecule 1, ELAM-1, Leukocyte-endothelial cell adhesion molecule 2, LECAM2, CD62E antigen, SELE, ELAM1, ELAM, ESEL, CD62E

Amino Acid Sequence
 WSYNTSTEAM TYDEASAYCQ QRYTHLVAIQ NKEEIEYLNS ILSYSPSYW
 IGIRKVNNVW VVVGTTQKPLT EEAKNWAPGE PNNRQKDEDC VEIYIKREKD
 VGMWNDERCS KKKLALCYTA ACTNTSCSGH GECVETINNY TCKCDPGFSG
 LKCEQIVNCT ALESPEHGSL VCSHPLGNFS YNSSCSISCD RGYLPSSMET
 MQCMSSGEWS APIPACNVVE 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 TEEVPSCQVV KCSSLAVPGK INMSCSGEPV FGTVCKFACP
 EGWTLNGSAA RTCGATGHWS GLLPTCEAPT ESNIPHHHHH H

Formulation The SELE solution (0.5mg/1ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% glycerol.

Introduction

E-selectin (SELE) is a part of a family of divalent cation-dependent carbohydrate-binding glycoproteins or adhesion molecules. E-selectin is expressed on the surface of endothelial cells and mediates the interaction of leukocytes and platelets with endothelial cells during an inflammatory response. E-selectin is present in single copy in the human genome and contains 14 exons spanning about 13 kb of DNA.

Biological Activity

Measured by the ability of the immobilized protein to support the adhesion of U937

Caution: Product has not been fully validated for medical applications. For research use only.

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human histiocytic lymphoma cells, which are added to human E-Seletin/CD62E coated plates 2ug/ml. This effect is > 40%.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SELE Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 541 amino acids (22-556 a.a) and having a molecular mass of 59.4kDa. SELE is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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