

Datasheet for ABIN6719947  
**Soluble E-Selectin ELISA Kit**



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1 Image

## Overview

Quantity:	1 kit
Target:	Soluble E-Selectin (sE-Selectin)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	125 pg/mL - 8000 pg/mL
Minimum Detection Limit:	125 pg/mL
Application:	ELISA

## Product Details

Purpose:	Human sE-Selectin Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (heparin - citrate), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human sE-Selectin. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 4 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

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- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

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Target: Soluble E-Selectin (sE-Selectin)

Alternative Name: sE-Selectin ([sE-Selectin Products](#))

Background: Synonyms: CD62 antigen-like family member E, CD62E, CD62E antigen, E selectin, E-selectin, ELAM, ELAM-1, ELAM1, Endothelial leukocyte adhesion molecule 1, ESEL, LECAM2, Leukocyte endothelial cell adhesion molecule 2, Leukocyte-endothelial cell adhesion molecule 2, LYAM2\_HUMAN, sele

Background: E-selectin, also called endothelial-leukocyte adhesion molecule-1(ELAM-1), is a cell surface glycoprotein expressed by cytokine-activated endothelium that mediates the adhesion of blood neutrophils. An increased expression of E-selectin has been observed in the arterial endothelium interacting with lymphocytes and macrophages in human atherosclerotic lesions. E-selectin plays a critical role in mediating tissue-specific homing of T cells into skin, and of primitive hematopoietic progenitor cells(HPCs) into bone marrow(BM). A structurally and functionally related group of genes, lymph node homing receptor(LHR), granule membrane protein 140(GMP-140), and endothelial leukocyte adhesion molecule 1(ELAM-1) are shown to constitute a gene cluster on mouse and human chromosome 1. The standard product used in this kit is recombinant human E-Selectin, excluding intercellular E-Selectin and transmembrane domain. It consists of totally 535 amino acids with the molecular mass of 58.6KDa.

Gene ID: 6401

NCBI Accession: [NP\\_000441](#)

UniProt: [P16581](#)

## Application Details

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Application Notes: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 8000pg/mL, 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL human sE-Selectin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of

## Application Details

human cell culture supernates, serum or plasma(heparin, citrate) to each empty well. It is recommended that each human sE-Selectin standard solution and each sample be measured in duplicate.

Comment: Standard: Expression system for standard: NSO, Immunogen sequence: W22-P556

Sample Volume: 100  $\mu$ L

Plate: Pre-coated

Restrictions: For Research Use only

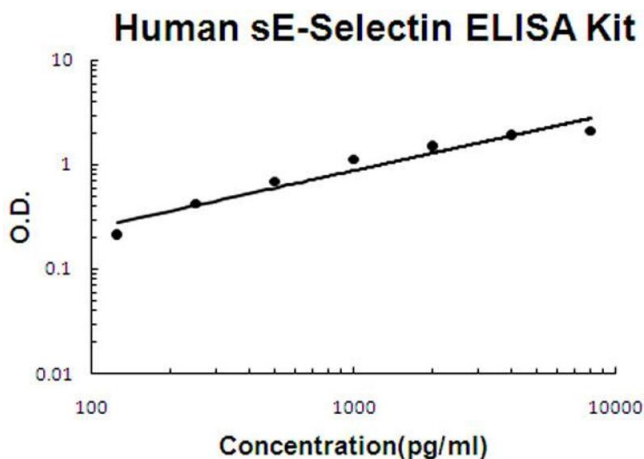
## Handling

Storage: 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiry Date: 12 months

## Images



### ELISA

**Image 1.** Human sE-Selectin Accusignal ELISA Kit Human sE-Selectin AccuSignal ELISA Kit standard curve. Assay Range: 125pg/ml-8000pg/ml. Sensitivity: <4pg/ml.