

Datasheet for KOA0297**Human sE-Selectin ELISA Kit****Overview**

Description:	Human sE-Selectin AccuSignal ELISA Kit - KOA0297
Item No.:	KOA0297
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	125 pg/ml - 8000 pg/ml

Product Details

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.
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
Detection Kit Type:	ELISA Kit
Detection Range:	125 pg/ml - 8000 pg/ml
Sensitivity:	<4 pg/ml

Target Details

Gene Name:	SELE
Reactivity:	Human

Immunogen:	Expression system for standard: NSO; Immunogen sequence: W22-P556
Purity/Specificity:	Natural and recombinant human sE-Selectin. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P16581 • NCBI - NP_000441.2 • GenelD - 6401 • KOA0297 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

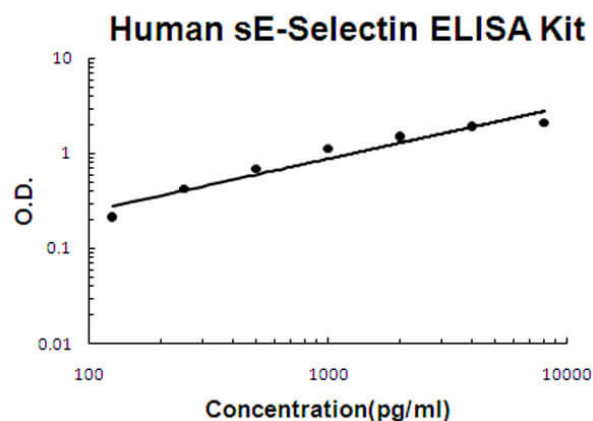
Formulation

Anticoagulant:	Heparin Sodium
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Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images

**ELISA**

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

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.