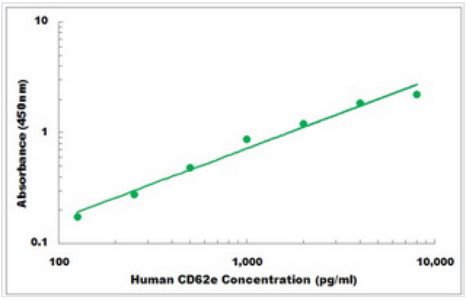
Cd62e (SELE) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	CD62e (SELE), ELISA Kit
Full Product Name	Human CD62e ELISA Kit
Product Gene Name	SELE elisa kit
Product Synonym Names	ELAM1; E-selectin; CD62 antigen-like family member E; Endothelial leukocyte adhesion molecule 1; ELAM-1; Leukocyte-endothelial cell adhesion molecule 2; LECAM2; CD62E
Species Reactivity	Human
Assay Type	Sandwich
Samples	Cell Culture Supernatants, Serum, Plasma
Detection Range	125 pg/ml - 8000 pg/ml
Sensitivity	4 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	66,655 Da
OMIM	131210
3D Structure	ModBase 3D Structure for P16581
Detection Method	Colorimetric
Applications Tested/Suitable for SELE elisa kit	Sandwich ELISA (SE)
Related Product Information for SELE elisa kit	Sandwich ELISA for quantitative detection of Human CD62e concentrations.
Other Notes	Small volumes of SELE elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SELE purchase	MBS824747 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CD62e (SELE) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing SELE. The ELISA analytical biochemical technique of the MBS824747 kit is based on SELE antibody-SELE antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect SELE antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, SELE. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of SELE elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SELE. It may not necessarily be applicable to this product.

NCBI GI #	187960042
NCBI GeneID	6401
NCBI Accession #	NP_000441.2
UniProt Primary Accession #	P16581
UniProt Secondary Accession #	P16111; A2RRD6
UniProt Related Accession #	P16581
GenBank Nucleotide #	NM_000450.2
NCBI Official Full Name	E-selectin
NCBI Official Synonym Full Names	selectin E
NCBI Official Symbol	SELE
NCBI Official Synonym Symbols	ELAM; ESEL; CD62E; ELAM1; LECAM2
UniProt Protein Name	E-selectin
UniProt Synonym Protein Names	CD62 antigen-like family member E; Endothelial leukocyte adhesion molecule 1; ELAM-1; Leukocyte-endothelial cell adhesion molecule 2; LECAM2; CD_antigen: CD62E
Protein Family	E-selectin
UniProt Gene Name	SELE
UniProt Synonym Gene Names	ELAM1; ELAM-1; LECAM2
UniProt Entry Name	LYAM2_HUMAN
NCBI Protein Information	E-selectin; ELAM-1; endothelial adhesion molecule 1; CD62 antigen-like family member E; endothelial leukocyte adhesion molecule 1; leukocyte endothelial cell adhesion molecule 2; leukocyte-endothelial cell adhesion molecule 2
NCBI Summary for SELE	The protein encoded by this gene is found in cytokine-stimulated endothelial cells and is thought to be responsible for the accumulation of blood leukocytes at sites of inflammation by mediating the adhesion of cells to the vascular lining. It exhibits structural features such as the presence of lectin- and EGF-like domains followed by short consensus repeat (SCR) domains that contain 6 conserved cysteine residues. These proteins are part of the selectin family of cell adhesion molecules. Adhesion molecules participate in the interaction between leukocytes and the endothelium and appear to be involved in the pathogenesis of atherosclerosis. [provided by RefSeq, Jul 2008]

UniProt Comments for SELE	SELE: Cell-surface glycoprotein having a role in immunoadhesion. Mediates in the adhesion of blood neutrophils in cytokine-activated endothelium through interaction with PSGL1/SELPLG. May have a role in capillary morphogenesis. Belongs to the selectin/LECAM family. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 1q22-q25 Cellular Component: cortical cytoskeleton; extracellular space; perinuclear region of cytoplasm; plasma membrane; integral to membrane; coated pit; caveola; lipid raft Molecular Function: protein binding; transmembrane receptor activity; phospholipase binding; sialic acid binding Biological Process: positive regulation of leukocyte migration; actin filament-based process; positive regulation of receptor internalization; calcium-mediated signaling; response to lipopolysaccharide; leukocyte migration during inflammatory response; heterophilic cell adhesion; leukocyte adhesion; phospholipase C activation; regulation of inflammatory response; inflammatory response; blood coagulation; leukocyte tethering or rolling; leukocyte migration Disease: Hypertension, Essential
Research Articles on SELE	**1.** The aim of this study was to assess circulating E-selectin and P-selectin levels in Legg Calve Perthes patients, which might reflect an endothelium activation and/or injury.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/sele-human-elisa-kits/cd62e/824747