

Human E-Selectin ELISA Kit | SELE elisa kit

E-Selectin Human ELISA Kit

CATALOG # AAA13507	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

E-Selectin; E-Selectin Human ELISA Kit; Human E-Selectin; SELE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, body fluids, tissue lysates or cell culture supernates
Assay Type	Quantitative Sandwich
Detection Range	62.5 pg/ml-4000 pg/ml
Sensitivity	< 4 pg/ml
Applicable Applications for SELE elisa kit	ELISA
Application Notes	For quantitative detection of E-Selectin in serum, plasma, body fluids, tissue lysates or cell culture supernates.
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SELE elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- E-Selectin polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- E-Selectin polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the E-Selectin amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of E-Selectin can be calculated.

Background/Introduction: E-selectin, also known as CD62 antigen-like family member E (CD62E), endothelial-leukocyte adhesion molecule 1 (ELAM-1), or leukocyte-endothelial cell adhesion molecule 2 (LECAM2), is a cell adhesion molecule expressed only on endothelial cells activated by cytokines. The ELAM gene is present in single copy in the human genome and contains 14 exons spanning about 13 kb of DNA. E-selectin mediates the adhesion of tumor cells to endothelial cells, by binding to E-selectin ligands expressed by neutrophils, monocytes, eosinophils, memory-effector T-like lymphocytes, natural killer cells or cancer cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	187960042
NCBI GeneID	6401
NCBI Accession #	NP_000441.2
NCBI GenBank Nucleotide #	NM_000450.2
UniProt Accession #	P16581; P16111; A2RRD6
Molecular Weight	66,655 Da
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
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
UniProt Protein Name	E-selectin
UniProt Gene Name	SELE
UniProt Synonym Gene Names	ELAM1; ELAM-1; LECAM2
UniProt Entry Name	LYAM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/e-selectin/13507>