

Mouse sE-Selectin ELISA Kit | SELE elisa kit

Mouse sE-Selectin PicoKine ELISA Kit

CATALOG #
AAA45570

REACTIVITY
Mouse

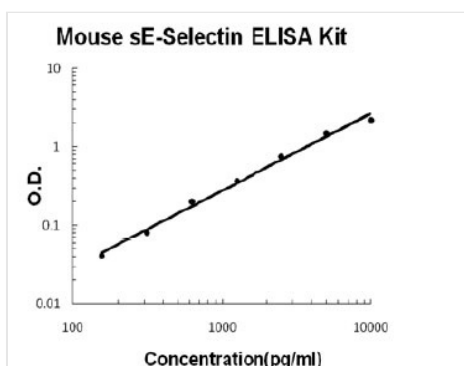
PRODUCT SYNONYMS

sE-Selectin; Mouse sE-Selectin PicoKine ELISA Kit; E-selectin; selectin E; CD62 antigen-like family member E; CD62E; CD62E antigen; 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; SELE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Sele
Sequence Length	612
Samples	Cell culture supernates, serum and plasma(heparin, citrate)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess interassay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SELE elisa kit	Principle of the Assay: The Picokine™ Mouse Sele Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Sele with a 96-well strip plate that is pre-coated with antibody specific for Sele. The detection antibody is a biotinylated antibody specific for Sele. The capture antibody is monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Sele with immunogen: Expression system for standard: NSO; Immunogen sequence: W22-P557. The kit is analytically validated with ready to use reagents. To measure Mouse Sele, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Sele in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Sele in the sample. Background/Introduction: 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 tissuespecific 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 mouse E-Selectin, excluding intercellular E-Selectin and transmembrane domain. It consists of totally 557 amino acids with the molecular mass of 85.8KDa.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	266458
NCBI GeneID	20339
UniProt Accession #	Q00690
Molecular Weight	66,750 Da
NCBI Official Full Name	E-selectin
NCBI Official Synonym Full Names	selectin, endothelial cell
NCBI Official Symbol	Sele
NCBI Official Synonym Symbols	Elam; CD62E; E-selectin
NCBI Protein Information	E-selectin; ELAM-1; LECAM2; CD62 antigen-like family member E; endothelial leukocyte adhesion molecule 1; leukocyte-endothelial cell adhesion molecule 2
UniProt Protein Name	E-selectin
UniProt Gene Name	Sele
UniProt Synonym Gene Names	Elam-1; ELAM-1; LECAM2
UniProt Entry Name	LYAM2_MOUSE

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.