

Rat sE-Selectin ELISA Kit | SELE elisa kit

Rat sE-Selectin PicoKine Fast ELISA Kit

CATALOG #
AAA125355

REACTIVITY
Rat

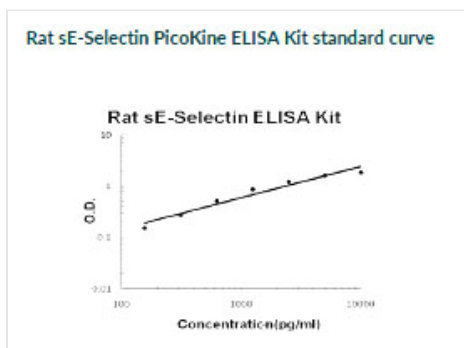
PRODUCT SYNONYMS

sE-Selectin; Rat sE-Selectin PicoKine Fast ELISA Kit; Rat sE-Selectin; E-selectin; CD62 antigen-like family member E; Endothelial leukocyte adhesion molecule 1; ELAM-1; Leukocyte-endothelial cell adhesion molecule 2; LECAM2; CD62E; Sele; Elam-1; SELE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Sele
Sequence Length	549
Samples	Cell culture supernates, serum and plasma(heparin, citrate)
Detection Range	156pg/ml-10,000pg/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 accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SELE elisa kit	Principle of the Assay: The Picokine™ Rat Sele Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat 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 mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Rat Sele with immunogen: Expression system for standard: NSO; Immunogen sequence: W22-P494. The kit is analytically validated with ready to use reagents. To measure Rat 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 propotional to Rat 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 Rat 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.1 An increased expression of E-selectin has been observed in the arterial endothelium interacting with lymphocytes and macrophages in human atherosclerotic lesions.2 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).3 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 1.4
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1346437
NCBI GeneID	25544
UniProt Accession #	P98105
NCBI Official Full Name	E-selectin
NCBI Official Synonym Full Names	selectin E
NCBI Official Symbol	Sele
NCBI Protein Information	E-selectin
UniProt Protein Name	E-selectin
UniProt Gene Name	Sele
UniProt Synonym Gene Names	Elam-1; ELAM-1; LECAM2
UniProt Entry Name	LYAM2_RAT

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/sele-rat-elisa-kits/se-selectin/125355>