

Human P-Selectin ELISA Kit | SELP elisa kit

Human P-Selectin PicoKine ELISA Kit

CATALOG #
AAA11577

REACTIVITY
Human

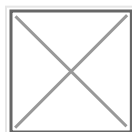
PRODUCT SYNONYMS

P-Selectin; Human P-Selectin PicoKine ELISA Kit; P-selectin; selectin P (granule membrane protein 140kDa; antigen CD62); Antigen CD62; CD62; CD62 antigen like family member P; CD62 antigen-like family member P; CD62P; FLJ45155; GMP 140; GMP-140; GMP140; Granule membrane protein 140; Granule membrane protein 140kDa; Granulocyte membrane protein; GRMP; LECAM3; Leukocyte endothelial cell adhesion molecule 3; Leukocyte-endothelial cell adhesion molecule 3; LYAM3_HUMAN; P selectin; PADGEM; Platelet activation dependent granule external membrane protein; Platelet activation dependent granule-external membrane protein; Platelet alpha granule membrane protein; PSEL; Selectin P; Selectin P (granule membrane protein 140kDa antigen CD62); SELP; SELP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human SELP
Sequence Length	830
Samples	Cell culture supernatants, serum and plasma (heparin, edta, citrate)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<5 pg/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 inter-assay 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 SELP elisa kit	<p>Principle of the Assay: The Picokine™ Human SELP Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human SELP with a 96-well strip plate that is pre-coated with antibody specific for SELP. The detection antibody is a biotinylated antibody specific for SELP. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human SELP with immunogen: Expression system for standard: NS0; Immunogen sequence: W42-A771. The kit is analytically validated with ready-to-use reagents. To measure Human SELP, 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 an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human SELP in the sample. Read the absorbance 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 Human SELP in the sample.</p> <p>Background/Introduction: P-selectin, also called GMP-140, CD62, or selectin P, is a 140-kD adhesion molecule, expressed at the surface of activated cells, that mediates the interaction of activated endothelial cells or platelets with leukocytes. It is stored in secretory granules and expressed at the plasma membrane after cell activation. It is known to play an important role in atherosclerosis. The major ligand for P-selectin on leukocytes is P-selectin glycoprotein ligand-1 (PSGL-1). The standard product used in this kit is recombinant human P-Selectin, excluding intercellular P-Selectin and transmembrane domain. It has 730 amino acids sequence with the molecular mass of 80 KDa.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	215274139
NCBI GeneID	6403
UniProt Accession #	P16109; Q5R344; Q8IVD1
Molecular Weight	90,834 Da
NCBI Official Full Name	P-selectin
NCBI Official Synonym Full Names	selectin P (granule membrane protein 140kDa, antigen CD62)
NCBI Official Symbol	SELP
NCBI Official Synonym Symbols	CD62; GRMP; PSEL; CD62P; GMP140; LECAM3; PADGEM
NCBI Protein Information	P-selectin; GMP-140; granule membrane protein 140; granulocyte membrane protein; CD62 antigen-like family member P; platelet alpha-granule membrane protein; leukocyte-endothelial cell adhesion molecule 3; platelet activation dependent granule-external membrane protein
UniProt Protein Name	P-selectin
UniProt Gene Name	SELP
UniProt Synonym Gene Names	GMRP; GRMP; GMP-140; LECAM3; PADGEM
UniProt Entry Name	LYAM3_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.