

Human P-Selectin ELISA Kit | SELP elisa kit

P-Selectin Human ELISA Kit

CATALOG # AAA59003	REACTIVITY Human	APPLICATIONS ELISA
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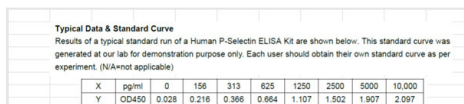
PRODUCT SYNONYMS

P-Selectin; P-Selectin Human ELISA Kit; Human P-Selectin; SELP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, body fluids, tissue lysates or cell culture supernates
Detection Range	156 pg/ml-10,000 pg/ml
Sensitivity	< 5 pg/ml
Applicable Applications for SELP elisa kit	ELISA
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 SELP elisa kit

Background: P-selectin, also called GMP-140, CD62, or selectin P, is a 140-kD adhesion molecule that in humans is encoded by the SELP gene. It is located on chromosome 1q21-q24, spans>50 kb and contains 17 exons in human. It is constitutively expressed on megakaryocytes (the precursor of platelets) and endothelial cells. P-selectin plays an essential role in the initial recruitment of leukocytes (white blood cells) to the site of injury during inflammation. Ligands for P-selectin on eosinophils and neutrophils are similar sialylated, protease-sensitive, endo-beta-galactosidase-resistant structures, clearly different than those reported for E-selectin, and suggest disparate roles for P-selectin and E-selectin during recruitment during inflammatory responses.

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- P-Selectin polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- P-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 P-Selectin amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of P-Selectin can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157419154
NCBI GeneID	6403
NCBI Accession #	NP_002996.2
NCBI GenBank Nucleotide #	NM_003005.3
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/p-selectin/59003>