

Mouse selectin P (granule membrane protein 140kDa, antigen CD62) ELISA Kit | SELP elisa kit

Mouse P-Selectin ELISA Kit

CATALOG # AAA79689	REACTIVITY Mouse
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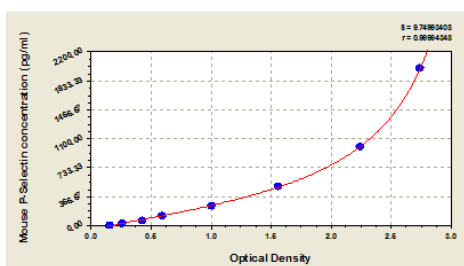
PRODUCT SYNONYMS

selectin P (granule membrane protein 140kDa; antigen CD62); Mouse P-Selectin ELISA Kit; Mouse P-Selectin ELISA kit; RP1-86F14.2; CD62; CD62P; FLJ45155; GMP140; GRMP; LECAM3; PADGEM; PSEL; OTTHUMP00000032609; granulocyte membrane protein; leukocyte-endothelial cell adhesion molecule 3; platelet alpha-granule membrane; SELP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse SELP. No significant cross-reactivity or interference between Mouse SELP and analogues was observed.
Sequence Length	768
Samples	Serum, plasma, tissue homogenates
Detection Range	31.25 pg/ml-2000 pg/ml
Sensitivity	7.8 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Cell Adhesion
Protein Biological Process 3	Cell adhesion
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SELP elisa kit

Introduction: P-selectin is a cell adhesion molecule (CAM) on the surfaces of activated endothelial cells, which line the inner surface of blood vessels, and activated platelets. In unactivated endothelial cells, it is stored in granules Weibel-Palade bodies, and alpha-granules in unactivated platelets. P-selectin plays an essential role in the initial recruitment of leukocytes (white blood cells) to the site of injury during inflammation. Thrombin is one trigger which can stimulate endothelial-cell release of P-selectin and recent studies suggest an additional Ca²⁺-independent pathway involved in release of P-selectin. 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. P-selectin attaches to the actin cytoskeleton through anchor proteins that are still poorly characterized.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to P-selectin. Standards or samples are then 3 added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for P-selectin and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain P-selectin, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of P-selectin in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6755456
NCBI GeneID	20344
NCBI Accession #	NP_035477.1
NCBI GenBank Nucleotide #	NM_011347.2
UniProt Accession #	Q01102; Q32MF1
Molecular Weight	83,099 Da
NCBI Official Full Name	P-selectin
NCBI Official Synonym Full Names	selectin, platelet
NCBI Official Symbol	Selp
NCBI Official Synonym Symbols	Grmp; CD62P; LECAM3; PADGEM; GMP-140
NCBI Protein Information	P-selectin; granule membrane protein 140; CD62 antigen-like family member P; 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	Grmp; GMP-140; LECAM3; PADGEM
UniProt Entry Name	LYAM3_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.

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Online datasheet: <https://www.aaabiotech.com/selp-mouse-elisa-kits/selectin-p-granule-membrane-protein-140kda-antigen-cd62/79689>