

Rat P-selectin glycoprotein ligand 1 ELISA Kit | PSGL-1 elisa kit

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CATALOG #
AAA87188

REACTIVITY
Rat

PRODUCT SYNONYMS

P-selectin glycoprotein ligand 1; Rat P-selectin glycoprotein ligand 1 ELISA Kit; PSGL-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This PSGL-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PSGL-1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSGL-1 elisa kit

Principle of the Assay: PSGL-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PSGL-1 antibody and an PSGL-1-HRP conjugate. The assay sample and buffer are incubated together with PSGL-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PSGL-1 concentration since PSGL-1 from samples and PSGL-1-HRP conjugate compete for the anti-PSGL-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PSGL-1 from the sample, fewer sites are left to bind PSGL-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PSGL-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	331284236
NCBI GeneID	6404
NCBI Accession #	NP_002997.2

NCBI GenBank Nucleotide #	NM_003006.4
Molecular Weight	44,648 Da
NCBI Official Full Name	P-selectin glycoprotein ligand 1 isoform 2
NCBI Official Synonym Full Names	selectin P ligand
NCBI Official Symbol	SELPLG
NCBI Official Synonym Symbols	CLA; CD162; PSGL1; PSGL-1
NCBI Protein Information	P-selectin glycoprotein ligand 1; cutaneous lymphocyte-associated associated antigen
UniProt Protein Name	P-selectin glycoprotein ligand 1
UniProt Gene Name	SELPLG
UniProt Synonym Gene Names	PSGL-1
UniProt Entry Name	SELPL_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/psgl-1-rat-elisa-kits/p-selectin-glycoprotein-ligand-1/87188>