

# Mouse P-selectin glycoprotein ligand 1 (SELPLG) ELISA Kit

Catalog No: #EK7402

Orders: order@signalwayantibody.com

Package Size: #EK7402-1 48T #EK7402-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Mouse P-selectin glycoprotein ligand 1 (SELPLG) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	CD162; CLA; PSGL-1; PSGL1; cutaneous lymphocyte-associated associated antigen
Accession No.	Q62170
Uniprot	Q62170
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.066 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate SELPLG in samples. An antibody specific for SELPLG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySELPLG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SELPLG is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SELPLG bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**SELPLG is the high affinity counter-receptor for P-selectin on myeloid cells and stimulated T lymphocytes. As such, it plays a critical role in the tethering of these cells to activated platelets or endothelia expressing P-selectin. The organization of the SELPG gene closely resembles that of CD43 and the human platelet glycoprotein Gplb-alpha both of which have an intron in the 5-prime-noncoding region, a long second exon containing the complete coding region, and TATA-less promoters.

P-selectin glycoprotein ligand-1 is a glycoprotein found on white blood cells and endothelial cells that binds to P-selectin (P stands for platelet). It is one of a family of selectins that includes E-selectin (endothelial) and L-selectin (leukocyte). PSGL-1 can bind to all three members of the family but binds best (with the highest affinity) to P-selectin.

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Note: This product is for in vitro research use only