

**PSGL-1 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11209****Specification**

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**PSGL-1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q14242</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	43201

**PSGL-1 Antibody - Additional Information****Gene ID** 6404

Positive Control	Western blot: Jurkat Cell lysate
Application & Usage	Western blot: 1-4 µg/ml.
<b>Other Names</b>	
PSGL, CD162, SELPLG, CLA, CD162, PSGL1, Selectin P ligand.	

**Target/Specificity**

PSGL-1

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg or 30 µg (0.5 mg/ml) of antibody in PBS pH 7.2 containing 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

PSGL-1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**PSGL-1 Antibody - Protein Information**

**Name** SELPLG**Function**

A SLe(x)-type proteoglycan, which through high affinity, calcium-dependent interactions with E-, P- and L-selectins, mediates rapid rolling of leukocytes over vascular surfaces during the initial steps in inflammation. Critical for the initial leukocyte capture.

**Cellular Location**

Membrane; Single-pass type I membrane protein.

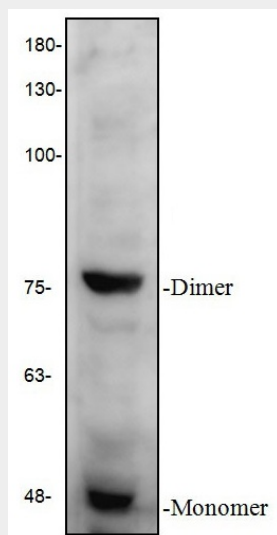
**Tissue Location**

Expressed on neutrophils, monocytes and most lymphocytes

**PSGL-1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PSGL-1 Antibody - Images**

Western blot of PSGL-1/CD162 antibody with Jurkat cell lysate.

**PSGL-1 Antibody - Background**

PSGL-1 (P-Selectin glycoprotein ligand, also designated CD162), exists as a disulfide-linked homodimer. PSGL-1 is a type 1 membrane protein that localizes on the tips of microvilli of leukocytes. Its extracellular domain is rich in serines, threonines and prolines, and includes a series of 15 and 16 decameric repeats in HL-60 and U-937 cells, and human leukocytes, respectively.

Although PSGL-1 appears to be the sole receptor for P-Selectin on human hematopoietic cells, it also interacts with E-Selectin through a unique binding site. In order to bind PSGL-1 to either E-Selectin or P-Selectin, PSGL-1 must be sialylated and fucosylated. PSGL-1 is a mucin-like molecule, much like leukosialin (CD43), CD164 and CD34. These proteins belong to an emerging family of cell adhesion receptors called sialomucins, which transduce negative signals in hematopoietic cells.