10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

PSGL-1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11209

Specification

PSGL-1 Antibody - Product Information

Application	**WB**
Primary Accession	Q14242
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.**

Other Names
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

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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.

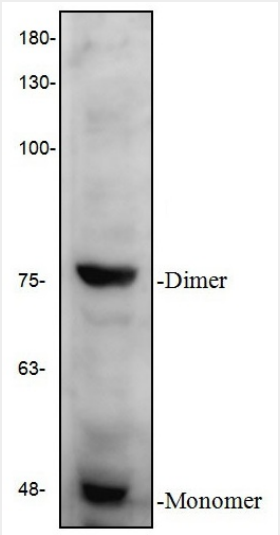
Tissue Location
Expressed on neutrophils, monocytes and most lymphocytes

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 Cytomety
- 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.

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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. PSLG-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.