

P-Selectin/CD62P Polyclonal Antibody(Capture/Detector)

catalog number: **AN003860P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

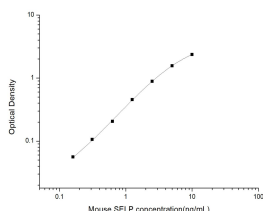
Description

Reactivity	Mouse
Immunogen	Recombinant Mouse P-Selectin/CD62P Protein expressed by Mammalian
Host	Rabbit
Isotype	Rabbit IgG
Purification	Antigen Affinity Purification
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

Applications Recommended Dilution

ELISA Capture	2-8 µg/mL
ELISA Detector	0.1-0.4 µg/mL

Data



Sandwich ELISA-Recombinant Mouse P-Selectin/CD62P Protein standard curve. Background subtracted standard curve using Anti-P-Selectin/CD62P antibody(AN003860P) (Capture), Anti-P-Selectin/CD62P antibody(AN003860P) (Detector). The reference range value is 0.16-10 ng/mL for mouse.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

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Mouse P-Selectin (GMP-140, LECAM-3, PADGEM, CD62P), a member of the Selectin family, is a cell surface glycoprotein expressed by activated platelets and endothelial cells. P-Selectin is translocated to the cell surface within minutes, from alpha granules of platelets or Weibel-Palade bodies of endothelial cells, following stimulation with thrombin, histamine, PMA or peroxides. P-Selectin binds to a 106 kDa protein present on myeloid cells, neutrophils, monocytes and lymphocytes, termed PSGL-1 (P-Selectin glycoprotein ligand-1). P-Selectin plays a role in the adhesion of leukocytes and neutrophils to the endothelium. Acting in cooperation with L-Selectin, P-Selectin mediates the initial interaction of circulating leukocytes with endothelial cells that produces a characteristic 'rolling' of the leukocytes on the endothelium. This initial interaction is followed by a stronger interaction involving E-Selectin, and later ICAM-1 and VCAM-1, that leads eventually to extravasation of the white blood cell through the blood vessel wall into the extracellular matrix tissue. Mouse P-Selectin cDNA encodes a 768 amino acid (aa) residue type I transmembrane protein with a 41 aa signal peptide, a 668 aa extracellular domain, a transmembrane domain and a short (35 aa) cytoplasmic domain. The extracellular domain has an NH₂-terminal C-type lectin domain and an EGF-like domain followed by a series of complement factor A repeat homology domains. The extracellular domains of human and mouse P-Selectin share approximately 73% sequence homology.

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