

Recombinant Mouse Selp Protein, C-Avi-6His tagged, Biotinylated

Cat. No. Selp-05M Lot. No. (See product label)

SPECIFICATION

Product Overview

Biotinylated Recombinant Mouse P-selectin is produced by our Mammalian expression system and the target gene encoding Trp42-Ala709 is expressed with a Avi, 6His tag at the C-terminus.

Species

Mouse

Source

Human Cells

ProteinLength

Trp42-Ala709

Description

P-selectin/CD62P is a single-pass type I membrane protein which is a member of the Selectin family. It consists 768 amino acid (aa). P-selectin is a cell surface glycoprotein expressed by activated platelets and endothelial cells. It induced expression in lung, liver, kidney and heart after endotoxin treatment. Ca²⁺-dependent receptor for myeloid cells that binds to carbohydrates on neutrophils and monocytes. It mediates the interaction of activated endothelial cells or platelets with leukocytes. The ligand recognized is sialyl-Lewis X. It also mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1. P-selectin interacts with SNX17, PSGL1/SEPL, PODXL2, mediates neutrophil adhesion and leukocyte rolling. This interaction requires the sialyl-Lewis X epitope of PSGL1 and PODXL2, and specific tyrosine sulfation on PSGL1.

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Endotoxin	Less than 0.1 ng/μg (1 EU/μg)
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.
Shipping	Ambient
Conjugation	Biotin

GENE INFORMATION

Gene Name	Selp selectin, platelet [<i>Mus musculus</i> (house mouse)]
Official Symbol	Selp
Synonyms	P-selectin; CD62 antigen-like family member P; Granule membrane protein 140; GMP-140; Leukocyte-endothelial cell adhesion molecule 3; LECAM3; PADGEM
Gene ID	20344
mRNA Refseq	NM_011347
Protein Refseq	NP_035477
UniProt ID	Q01102

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