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P-Selectin ELISA Kit





Overview

Quantity:	1 kit
Target:	P-Selectin (SELP)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen	
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum	
Analytical Method:	Quantitative	
Detection Method:	Colorimetric	
Characteristics:	Synonyms: Antigen CD62, CD62, CD62 antigen like family member P, GMP140, Granule	
	membrane protein 140, Granule membrane protein 140 kDa, GRMP, LECAM3, Leukocyte	
	endothelial cell adhesion molecule 3, Leukocyte-endothelial cell adhesion molecule 3,	
	LYAM3_HUMAN, P selectin, P-selectin, PADGEM, Platelet activation dependent granule external	
	membrane protein, Platelet activation dependent granule-external membrane protein, Platelet	
	alpha granule membrane protein, PSEL, Selectin P	
	Background: P-selectin, also called GMP-140, CD62, or selectin P, is a 140-kD adhesion	
	molecule, expressed at the surface of activated cells, that mediates the interaction of activated	

endothelial cells or platelets with leukocytes. It is stored in secretory granules and expressed at the plasma membrane after cell activation. It is known to play an important role in atherosclerosis. The major ligand for P-selectin on leukocytes is P-selectin glycoprotein ligand-1(PSGL-1). The standard product used in this kit is recombinant human P-Selectin, excluding intercellular P-Selectin and transmembrane domain. It has 730 amino acids sequence with the molecular mass of 80 KDa.

Gene Name: SELP

Production: Natural and recombinant human sP-Selectin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: W42-A771

Target Details

Target:	P-Selectin (SELP)
Alternative Name:	P-Selectin (SELP Products)
Gene ID:	6403
NCBI Accession:	NP_002996
UniProt:	P16109

Application Details

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Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human P-Selectin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each empty well. It is recommended that each human P-Selectin standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 62.5pg/mL-4000pg/mL

Sample Volume: 100 µL

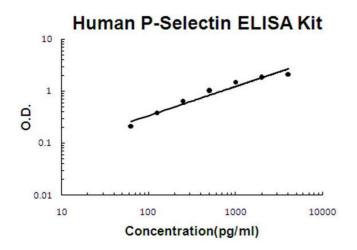
Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only
	prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human P-Selectin Accusignal ELISA Kit Human P-Selectin AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <5pg/ml.