

Anti-human P-Selectin VHH (clone B-10.6)

Properties

Product type:	VHH
Catalog number:	P-001
Clone number:	B10.6
Immunogen:	Purified recombinant human P-selectin
Reacts with:	Human P-selectin (CD62P)
Tested applications:	ELISA, Flow cytometry (FC)
Source:	Recombinant monoclonal VHH (<i>Llama glama</i>), purified from HEK293-E 253 cells using affinity chromatography
Clonality:	Monoclonal
Purity:	IMAC purified with Nickel excel Sepharose, >98%
Storage buffer:	PBS
Form:	Liquid
Concentration:	3.73 mg/ml
Storage:	Store at -80°C

Products

Cat. No.	Target	Clone	Form	Applications	Size
P-001	Human P-selectin	B10.6	Purified	ELISA, FC	250 µg

Description

Human P-Selectin (GMP-140, LECAM-3, PADGEM, CD62P) is a member of the Selectin family. It 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 platelet³ or Weibel-Palade bodies of endothelial cells, in response to a variety of inflammatory and thrombogenic stimuli. P-Selectin binds to a 106 kDa protein present on myeloid cells, neutrophils, monocytes and lymphocytes, termed PSGL-1 (P-Selectin glycoprotein ligand-1), and thereby mediates the adhesion of leukocytes to platelets and the endothelium. Additionally, the P-selectin/PSGL-1 interaction induces platelet activation thereby enhancing platelet aggregation and thrombus formation.

Use, storage and stability

Anti-human P-selectin (B10.6) VHH is suitable for use in ELISA and flow cytometry studies. B10.6 inhibits the rolling of neutrophils and monocytes to adhered platelets and prevents the formation of platelet-neutrophil and platelet-monocyte complexes.

After thawing, B10.6 should be stored in appropriate small aliquots at -20°C or -80°C or at 4°C for short time storage.

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