

## Anti-human P-selectin (B10.6) VHH



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## Properties

<b>Product type:</b>	VHH
<b>Catalog number:</b>	P-001
<b>Clone number:</b>	B10.6
<b>Immunogen:</b>	Purified recombinant human P-selectin
<b>Reacts with:</b>	Human P-selectin (CD62P)
<b>Tested applications:</b>	ELISA, Flow cytometry
<b>Source:</b>	Recombinant monoclonal VHH ( <i>Llama glama</i> ), purified from HEK293-E 253 cells using affinity chromatography
<b>Clonality:</b>	Monoclonal
<b>Purity:</b>	IMAC purified with Nickel excel Sepharose, >98%
<b>Storage buffer:</b>	PBS
<b>Form:</b>	Liquid
<b>Concentration:</b>	3.73 mg/ml
<b>Storage:</b>	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.<sup>1,2</sup> 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 platelets<sup>3</sup> or Weibel-Palade bodies of endothelial cells<sup>4</sup>, in response to a variety of inflammatory and thrombogenic stimuli.<sup>5,6</sup> 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.<sup>7,9</sup> Additionally, the P-selectin/PSGL-1 interaction induces platelet activation thereby enhancing platelet aggregation and thrombus formation.<sup>10</sup>

## 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 (stable for at least 6 months) or at 4°C for short time storage.

## References

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