

# Product Sheet



# QVQ

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## P-Selectin

**Catalogue no.:** Q117  
**Clone name:** B10.6

**Product:** VHH directed against human P-Selectin

**Target:** 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.

**Source:** Immunization with and phage-display selection on purified recombinant human P-Selectin.  
Recombinant monoclonal VHH (Llama glama), purified from HEK293-E 253 cells using Nickel excel Sepharose affinity chromatography.

**Specificity:** Human P-Selectin.  
B10.6 inhibits the rolling of neutrophils and monocytes to adhered platelets and prevents the formation of platelet-neutrophil and platelet-monocyte complexes.

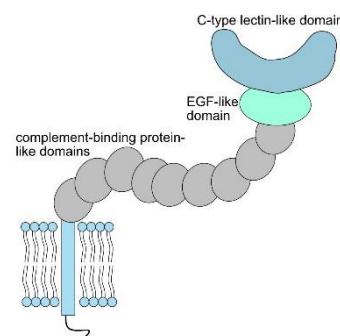
**Formulation:** Myc-tagged PBS

**Mol. Weight:** 15.4 kDa  
**Ext. Coeff. (ε):** 27566 M<sup>-1</sup> cm<sup>-1</sup>  
**A<sub>280</sub> at 1g/L:** 1.8

**Storage:** Shipped on blue ice. Store at 4 °C or -20 °C (aliquots). Addition of 0.02% sodiumazide is optional.

**Applications:** ELISA, flow cytometry (FC)

**Note:**  
This product has been generated  
and purified by Podiceps BV.



## References:

- 1 Moroi and Jung (1997) Thromb Haemost., 78(1):439-44
- 2 Arthur et al. (2007) J Biol Chem, 282(42):30434-41
- 3 Watson et al. (2010) J Thromb Haemost. 8(7):1456-67
- 4 Munnix et al. (2005) Arterioscler Thromb Vasc Biol 12:2673-8
- 5 Arthur et al. (2007) Br J Haematol 139(3):363-72