

# Product Datasheet

## P-Selectin/CD62P Antibody (Psel.KO.2.7) - BSA Free NB100-65392

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

**Publications: 22**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB100-65392](http://www.novusbio.com/NB100-65392)

Updated 9/9/2025 v.20.1

**Earn rewards for product  
reviews and publications.**

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NB100-65392](http://www.novusbio.com/reviews/destination/NB100-65392)



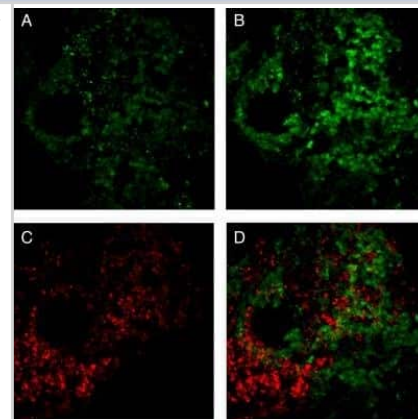
**NB100-65392**

P-Selectin/CD62P Antibody (Psel.KO.2.7) - BSA Free

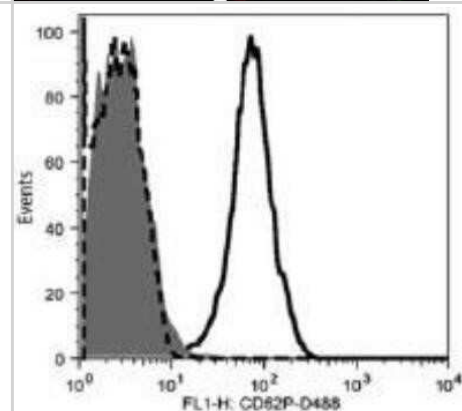
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	Psel.KO.2.7
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse P-Selectin/CD62P Antibody (Psel.KO.2.7) - BSA Free (NB100-65392) is a monoclonal antibody validated for use in IHC, Flow and IP. Anti-P-Selectin/CD62P Antibody: Cited in 22 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	6403
<b>Gene Symbol</b>	SELP
<b>Species</b>	Human
<b>Reactivity Notes</b>	Predicted cross-reactivities: Mouse, Equine, Goat, Bovine, Feline, Sheep, Rat
<b>Specificity/Sensitivity</b>	NB100-65392 recognizes the P-Selectin cell surface antigen, a 140kD glycoprotein. P-Selectin is expressed by activated platelets and endothelial cells, and plays an important role in adhesive processes between leucocytes and endothelial cells.
<b>Immunogen</b>	P-selectin transfected 300.19 cells
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
<b>Recommended Dilutions</b>	Flow Cytometry 1:25-1:50, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10-1:500
<b>Application Notes</b>	For Flow Cytometry: Use 10 ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100 ul. IHC-Frozen use reported in literature (see Massaguer, A. et al, 2000). Use in Immunohistochemistry-paraffin reported in scientific literature (PMID: 31237986).

## Images

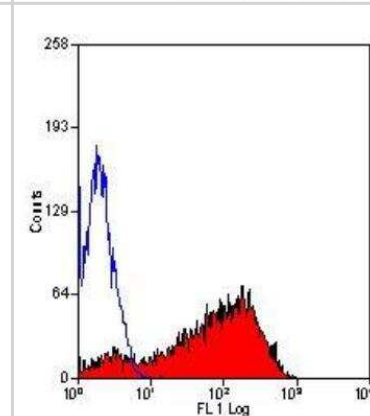
Immunocytochemistry/Immunofluorescence: P-Selectin/CD62P Antibody (Psel.KO.2.7) [NB100-65392] - Alignment of live-cell calcium response behavior with PTH abundance in a parathyroid adenoma. (A) Prestimulation baseline flux activity at time 0; (B) same field of view at 2 minutes after stimulation with 2 mM calcium; (C) same field after fixation and immunofluorescent staining for PTH (red); (D) image overlay of (B) and (C). Flux images (A, B) are single timepoint frames from the same time-ordered image stack. Anti-PTH reactivity is visualized by an AlexaFluor555 secondary antibody. Magnification = 200X. Image using the Allophycocyanin format of this antibody.



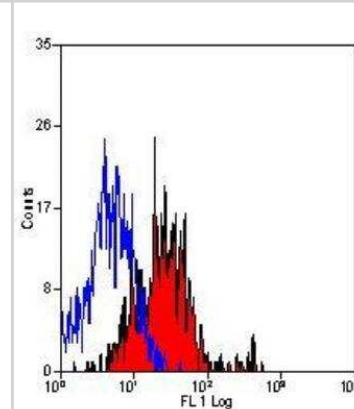
Flow Cytometry: P-Selectin/CD62P Antibody (Psel.KO.2.7) [NB100-65392] - Analysis using the DyLight 488 conjugate of NB100-65392. Thrombin stimulated equine platelets (solid line) and unstimulated platelets (dashed line) labeled with anti-CD62P (Psel.KO.2.7) compared to equine platelets labeled with murine IgG-DyLight 488 isotype control (gray fill).



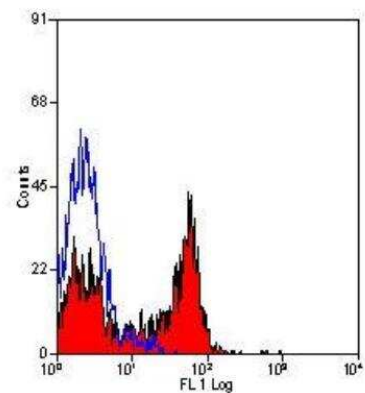
Flow Cytometry: P-Selectin/CD62P Antibody (Psel.KO.2.7) [NB100-65392] - Staining of thrombin activated human platelets.



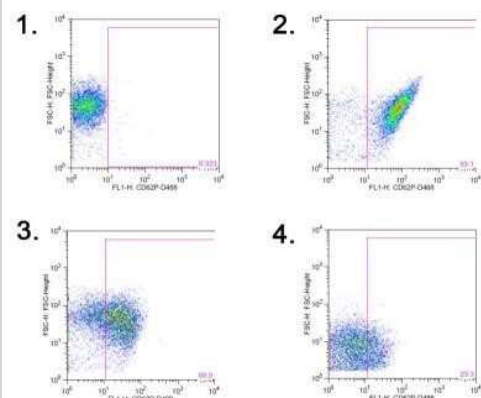
Flow Cytometry: P-Selectin/CD62P Antibody (Psel.KO.2.7) [NB100-65392] - Staining of thrombin activated human platelets.



Flow Cytometry: P-Selectin/CD62P Antibody (Psel.KO.2.7) [NB100-65392] - Staining of thrombin activated human platelets



Flow Cytometry: P-Selectin/CD62P Antibody (Psel.KO.2.7) [NB100-65392] - Analysis using the DyLight 488 conjugate of NB100-65392. Differential CD62P (P-selectin) expression of equine platelets in response to varying agonist treatments (Control (1), Thrombin (2), Convulxin (3), Ionophore A23187 (4)). All samples were first gated on CD61 positive events.



## Publications

Liu CH, Jheng PR, Rethi L et al. P-Selectin mediates targeting of a self-assembling phototherapeutic nanovehicle enclosing dipyridamole for managing thromboses *Journal of Nanobiotechnology* 2023-08-08 [PMID: 37553670]

Tanaka H, Horioka K, Hasebe T et al. Treatment of hepatocellular carcinoma with autologous platelets encapsulating sorafenib or lenvatinib: A novel therapy exploiting tumor-platelet interactions *International journal of cancer* 2021-12-22 [PMID: 34935134]

Raslan, AA;Pham, TX;Lee, J;Kontodimas, K;Tilston-Lunel, A;Schmottlach, J;Hong, J;Dinc, T;Bujor, AM;Caporarello, N;Thiriot, A;von Andrian, UH;Huang, SK;Nicosia, RF;Trojanowska, M;Varelas, X;Ligresti, G; Lung injury-induced activated endothelial cell states persist in aging-associated progressive fibrosis *Nature communications* 2024-06-27 [PMID: 38937456]

Jheng P, Chiang C, Kang J et al. Cold atmospheric plasma-enabled platelet vesicle incorporated iron oxide nanopropellers for thrombolysis *Materials Today Bio* 2023-12-01 [PMID: 38089433] (Immunohistochemistry, Mouse)

Mastrogiacomo L, Werstuck GH Investigating the Role of Endothelial Glycogen Synthase Kinase3 $\beta$  in Atherogenesis in Low Density Lipoprotein Receptor Knockout Mice *International journal of molecular sciences* 2022-11-26 [PMID: 36499109] (IHC, Mouse)

Details:

Dilutions: 1:50

Raslan AA, Pham TX, Lee J et al. Single Cell Transcriptomics of Fibrotic Lungs Unveils Aging-associated Alterations in Endothelial and Epithelial Cell Regeneration *bioRxiv : the preprint server for biology* 2023-01-20 [PMID: 36712020] (FLOW, Human)

Details:

Dilution used in IHC-P 1:200, Flow 1:20

Bondareva O, Rodrlguez-Aguilera JR, Oliveira F et al. Single-cell profiling of vascular endothelial cells reveals progressive organ-specific vulnerabilities during obesity *Nature metabolism* 2022-11-01 [PMID: 36400935] (IHC-P, Mouse)

Mastrogiacomo L, Ballagh R, Venegas-Pino DE et al. The Effects of Hyperglycemia on Early Endothelial Activation and the Initiation of Atherosclerosis *The American journal of pathology* 2022-10-12 [PMID: 36243046]

Horioka K, Tanaka H, Isozaki S et al. Rewarming from accidental hypothermia enhances whole blood clotting properties in a murine model *Thromb. Res.* 2020-07-10 [PMID: 32683149] (IHC-P, Mouse)

Horioka K, Tanaka H, Shotaro I et al. Hypothermia-induced activation of the splenic platelet pool as a risk factor for thrombotic disease in a mouse model *J. Thromb. Haemost.* 2019-06-25 [PMID: 31237986] (IHC-P, Mouse)

Hardy AT, Palma-Barqueros V, Watson SK et al. Significant Hypo-Responsiveness to GPVI and CLEC-2 Agonists in Pre-Term and Full-Term Neonatal Platelets and following Immune Thrombocytopenia *Thromb. Haemost.* 2018-06-01 [PMID: 29695020] (FLOW, Human)

Serpa PBS, Brooks MB, Divers T et al. Pharmacokinetics and Pharmacodynamics of an Oral Formulation of Apixaban in Horses After Oral and Intravenous Administration *Front Vet Sci* 2018-12-04 [PMID: 30564584] (FLOW, Equine)

More publications at <http://www.novusbio.com/NB100-65392>



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-65392**

---

NBL1-15793	P-Selectin/CD62P Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

---

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB100-65392](http://www.novusbio.com/reviews/submit/NB100-65392)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

