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.

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NB100-65392

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

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	Psel.KO.2.7
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	6403
Gene Symbol	SELP
Species	Human
Reactivity Notes	Predicted cross-reactivities: Mouse, Equine, Goat, Bovine, Feline, Sheep, Rat
Specificity/Sensitivity	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.
Immunogen	P-selectin transfected 300.19 cells
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1:25-1:50, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	For Flow Cytometry: Use 10 ul of the suggested working dilution to label 10^6 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









Publications

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)

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] (Immunohistochemistry)

Mastrogiacomo L, Werstuck GH Investigating the Role of Endothelial Glycogen Synthase Kinase3?/? 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, RodrIguez-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 <u>http://www.novusbio.com/NB100-65392</u>

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Products Related to NB100-65392

NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NBL1-15793	P-Selectin/CD62P Overexpression Lysate

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.

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