Product Datasheet

P-Selectin/CD62P Antibody (Psel.KO.2.7) [DyLight 488] NB100-65392G

Unit Size: 0.1 ml

Store at 4C in the dark.

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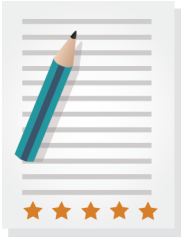
Updated 10/23/2024 v.20.1



NB100-65392G

P-Selectin/CD62P Antibody (Psel.KO.2.7) [DyLight 488]

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	Psel.KO.2.7
Preservative	0.05% Sodium Azide
Isotype	IgG1
Conjugate	DyLight 488
Purity	Protein G purified
Buffer	50mM Sodium Borate

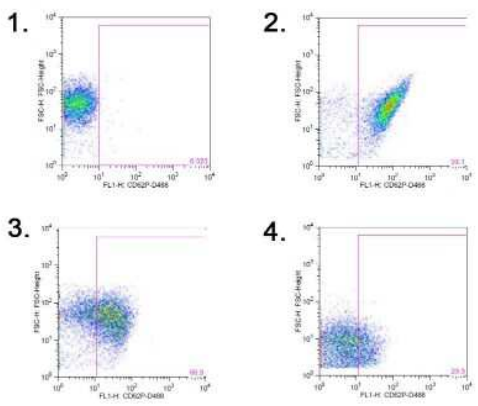
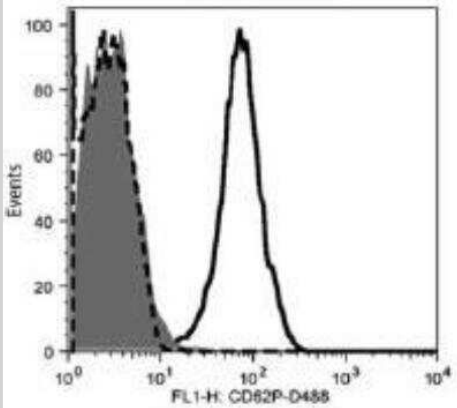
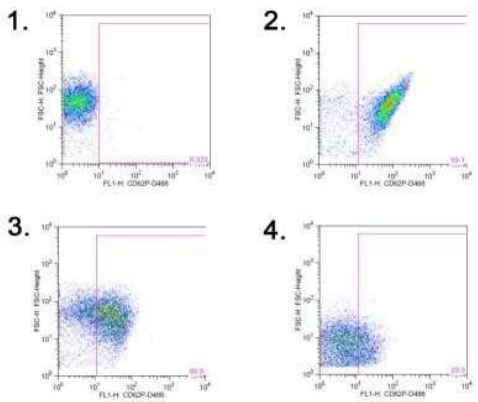
Product Description

Description	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
Host	Mouse
Gene ID	6403
Gene Symbol	SELP
Species	Human
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
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
Notes	DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.

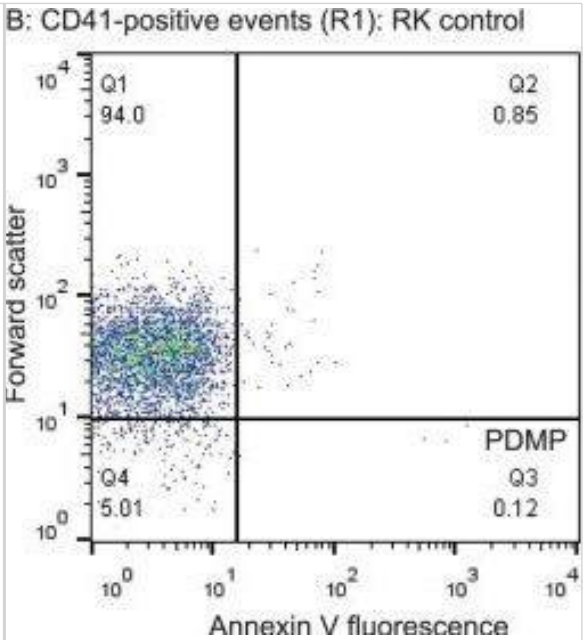
Product Application Details

Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen

Images

Flow Cytometry: P-Selectin/CD62P Antibody (Psel.KO.2.7) [DyLight 488] [NB100-65392G] - 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.	
Flow Cytometry: P-Selectin/CD62P Antibody (Psel.KO.2.7) [DyLight 488] [NB100-65392G] - 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) [DyLight 488] [NB100-65392G] - 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.	

Flow Cytometry: P-Selectin/CD62P Antibody (Psel.KO.2.7) [DyLight 488] [NB100-65392G] - Flow cytometry gating strategy for quantification of platelet-derived microparticles in equine platelet samples.A: Platelet events in citrate-anticoagulated platelet-rich plasma were identified & gated as CD41-positive cells (R1 region) in a CD41 fluorescence versus forward scatter (FSC) dotplot. The R1 region or gate was established on an isotype control for the CD41 antibody. Representative image from platelets exposed to the RacL11 strain of EHV-1 at 1 plaque forming unit (PFU)/cell. B: Platelet-derived microparticles (PDMPs) were defined as small events (<101 log FSC units) positive for Annexin V & CD41. The PDMP percentage was obtained from the lower right quadrant of an Annexin V fluorescence versus FSC dotplot of the R1 gate (CD41-positive events), with the quadrants being defined on a negative sample in which 1 mM EDTA was added to the buffer with Annexin V. The PDMP percentage was 0.1% in this representative image of platelets exposed to rabbit kidney 13 (RK) cell lysate at an equivalent volume to 1 PFU/cell (mock-infected negative control). The events in the upper left & right quadrants are platelets that are negative (94.0%) & positive for Annexin V (0.9%), respectively. C: Representative image of PDMP quantification in platelets exposed to RacL11 at 1 PFU/cell. In this sample, there are 12.1% PDMP (lower right quadrant) & 22.1% of platelets are weakly positive for Annexin V (upper right quadrant). Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/25905776), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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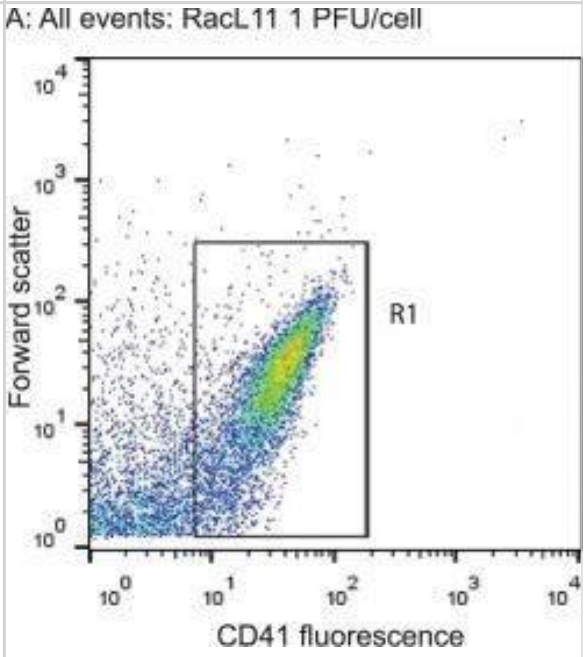

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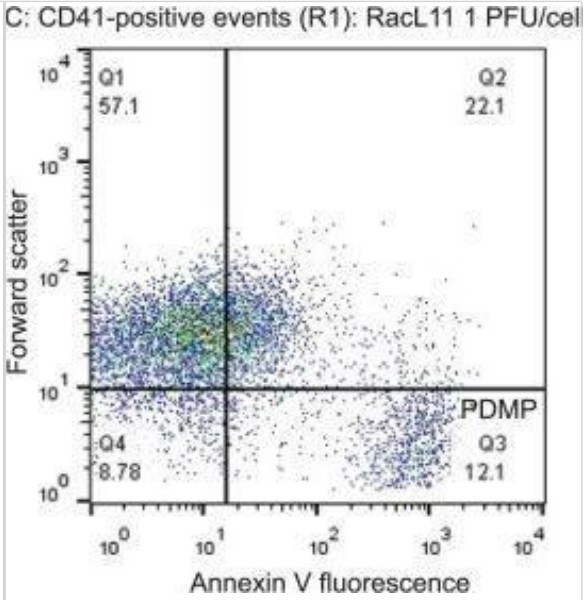

Publications

Stokol T, Yeo WM, Burnett D et al. Equid herpesvirus type 1 activates platelets. PLoS ONE 2015-04-24 [PMID: 25905776] (FLOW, Equine)

Details:
Using the Allophycocyanin conjugated version of NB100-65392, catalog number NB100-65392APC.

Brooks MB, Divers TJ, Watts AE et al. Effects of clopidogrel on the platelet activation response in horses. Am J Vet Res 2013-09-01 [PMID: 23977894]

Details:
Using the DyLight 488 conjugated version of NB100-65392, catalog number NB100-65392G.

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Products Related to NB100-65392G

NBP1-97005G	Mouse IgG1 Isotype Control (MG1) [DyLight 488]
NB100-65392APC	P-Selectin/CD62P Antibody (Psel.KO.2.7) [Allophycocyanin]
NBP1-85744PEP	P-Selectin/CD62P Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]

Limitations
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