

Product Datasheet

CD42b/GPIb alpha Antibody (HIP1) - BSA Free NB500-511

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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Publications: 2

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NB500-511**CD42b/GPIb alpha Antibody (HIP1) - BSA Free**

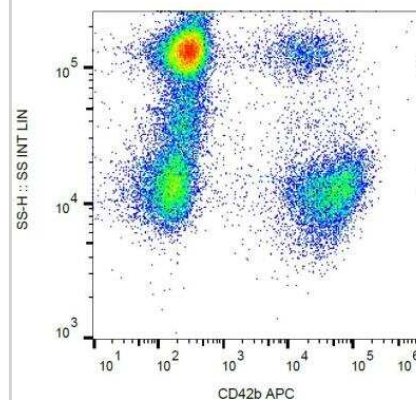
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	HIP1
Preservative	15mM Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	Phosphate buffered saline (PBS), pH 7.4
Target Molecular Weight	145 kDa

Product Description	
Description	Novus Biologicals Mouse CD42b/GPIb alpha Antibody (HIP1) - BSA Free (NB500-511) is a monoclonal antibody validated for use in IHC and Flow. Anti-CD42b/GPIb alpha Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	2811
Gene Symbol	GP1BA
Species	Human, Mouse, Primate
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 31467123).
Specificity/Sensitivity	The antibody HIP1 reacts with CD42b (GPIb alpha), a 135-145 kDa membrane glycoprotein expressed on platelets and megakaryocytes. CD42b and CD42c (GPIb beta) are composed in a disulfide linked heterodimer (CD42b/c; 160 kDa); CD42b/c forms a noncovalent complex with CD42a and CD42d. HLDA IV; WS Code P 40
Immunogen	Peripheral blood mononuclear cells of a patient suffering with CLL.

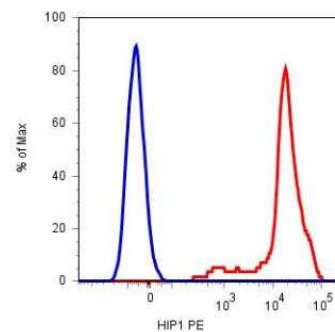
Product Application Details	
Applications	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready
Recommended Dilutions	Flow Cytometry 1-4 ug/ml, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Frozen 1:200, CyTOF-ready
Application Notes	Functional Application: The antibody HIP1 inhibits the ristocetin-dependent binding of von Willebrand Factor (vWF) to platelets and ristocetin-induced platelet agglutination. This antibody is CyTOF ready.

Images

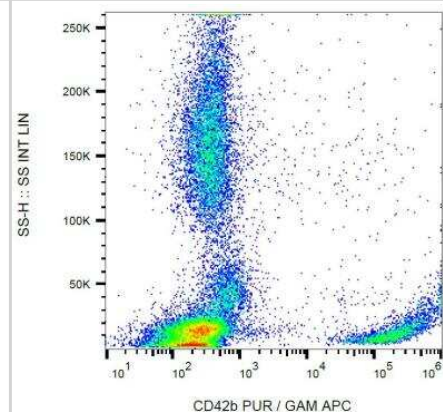
Flow Cytometry: CD42b/GPIb alpha Antibody (HIP1) [NB500-511] - Staining of human peripheral blood with anti-CD42b (HIP1) APC.



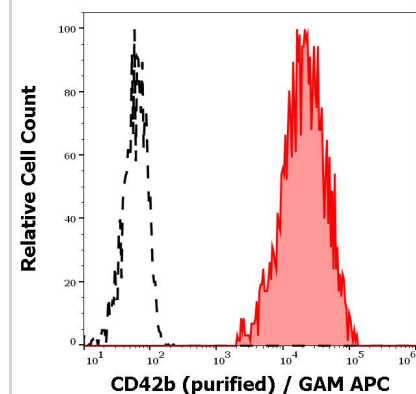
Flow Cytometry: CD42b/GPIb alpha Antibody (HIP1) [NB500-511] - Staining of human platelets with anti-CD42b (HIP1) PE.



Flow Cytometry: CD42b/GPIb alpha Antibody (HIP1) [NB500-511] - Staining of human peripheral blood with anti-CD42b (HIP1) purified / GAM-APC.



Surface staining pattern of human peripheral blood cells stained using anti-human CD42b (HIP1) purified antibody (concentration in sample 4 ug/ml) GAM APC.



Publications

Abe T, Uosaki H, Shibata H, et al. Fetal sheep support the development of hematopoietic cells in vivo from human induced pluripotent stem cells *Experimental hematology* 2021-01-01 [PMID: 33395577] (IF/IHC, Human)

Chimen M, Evryviadou A, Box CL et al. Appropriation of GPIIb/IIIa from platelet-derived extracellular vesicles supports monocyte recruitment in systemic inflammation *Haematologica*. 2019-08-29 [PMID: 31467123] (Human, Mouse)

Details:

Citation used the Alexa Fluor 488 format of this antibody.





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 NB500-511

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)
NB500-511AF488	CD42b/GPIb alpha Antibody (HIP1) [Alexa Fluor® 488]

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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