

Product Datasheet

CD38 Antibody (HIT2) - BSA Free NB500-510

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NB500-510

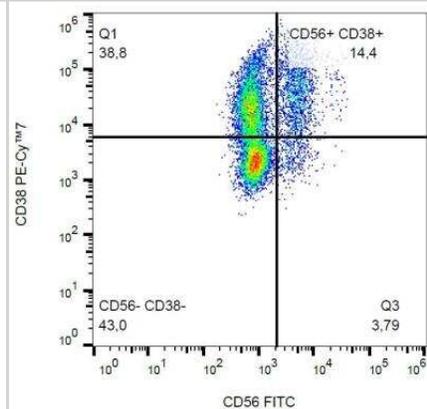
CD38 Antibody (HIT2) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	HIT2
Preservative	15mM Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	Phosphate buffered saline (PBS), pH 7.4
Product Description	
Description	Novus Biologicals Mouse CD38 Antibody (HIT2) - BSA Free (NB500-510) is a monoclonal antibody validated for use in IHC, WB and Flow. Anti-CD38 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	952
Gene Symbol	CD38
Species	Human
Reactivity Notes	This CD38 Antibody (HIT2) reacts with an extracellular epitope of CD38 (T10), a 45 kDa type II transmembrane glycoprotein strongly expressed on plasma cells and activated T and B lymphocytes; it is an antigenic marker of lymphoid cells.
Immunogen	This CD38 Antibody (HIT2) was developed against human thymocytes in foetus.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready
Recommended Dilutions	Western Blot, Flow Cytometry 1-4 ug/ml, Immunohistochemistry 1:10 - 1:500, Immunohistochemistry-Paraffin 10 ug/ml, Immunohistochemistry-Frozen 1:200, CyTOF-ready
Application Notes	Western Blot sample preparation: Resuspend approx. 50 million cells in 1 mL cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with non-reducing SDS-PAGE sample buffer. Boil for 5 min. Application note: Non-reducing conditions. This antibody is CyTOF ready.

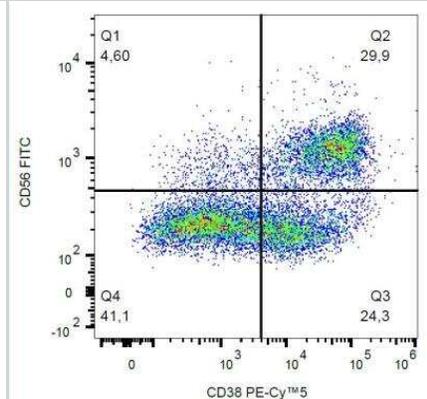


Images

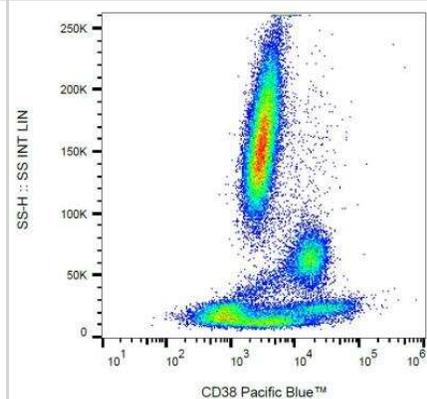
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) PE-CyTM7.



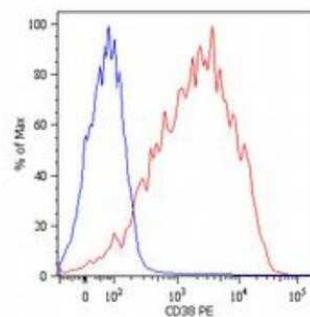
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Staining of human peripheral blood with anti-human CD38 (HIT2) PE-CyTM5.



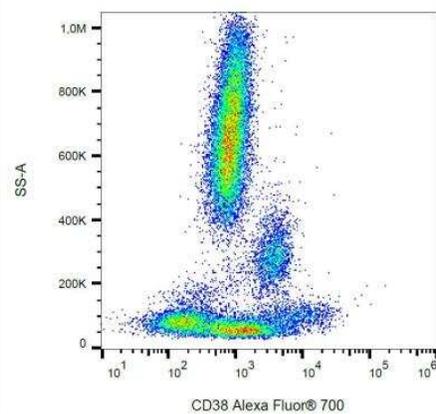
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Analysis (surface staining) of human peripheral blood with anti-human CD38 (HIT2) Pacific Blue(TM).



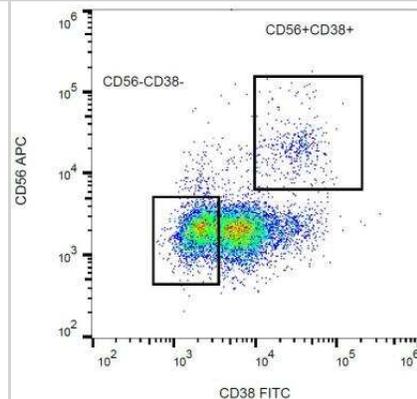
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Analysis using the PE conjugate of NB500-510. Surface staining of PHA stimulated human peripheral blood lymphocytes with anti-human CD38 (HIT2) PE.



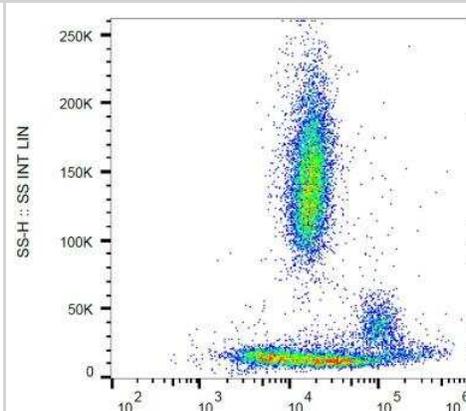
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) Alexa Fluor(R) 700.



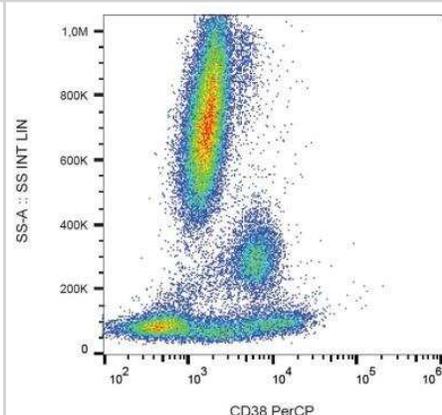
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) FITC.



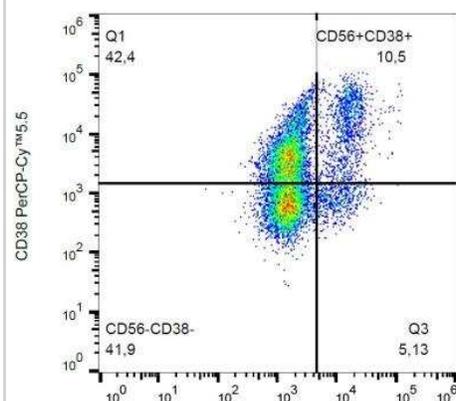
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) biotin / streptavidin-APC.



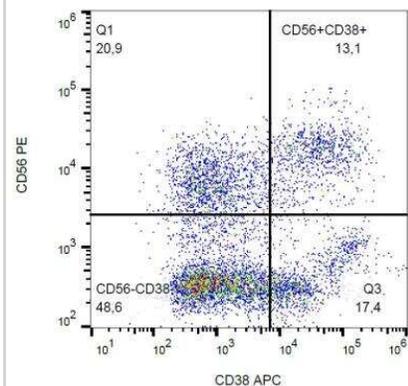
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) PerCP.



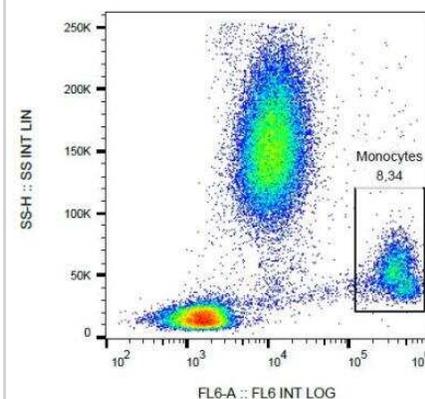
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) APC-CyTM7.



Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) APC.



Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) Pacific Orange(TM).



Publications

Rozkova D, Novotna L, Pytlik R et al. Toll-like receptors on B-CLL cells: expression and functional consequences of their stimulation Int J Cancer 2010-03-01 [PMID: 19685493]

Details:

This citation used the Allophycocyanin version 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 NB500-510

NBL1-08942	CD38 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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.

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