

# Product Datasheet

## CD38 Antibody (HIT2) - BSA Free NB500-510

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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### Publications: 1

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**NB500-510**

CD38 Antibody (HIT2) - BSA Free

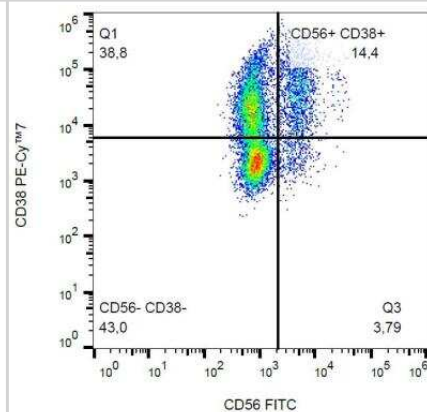
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	HIT2
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS

Product Description	
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.

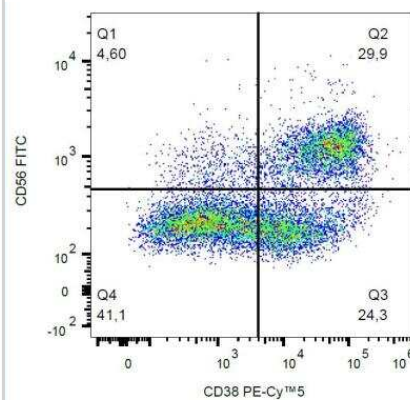
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 2 ug/ml, Flow Cytometry 1-4 ug/ml, Immunohistochemistry 1:10 - 1:500, Immunohistochemistry-Paraffin 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**

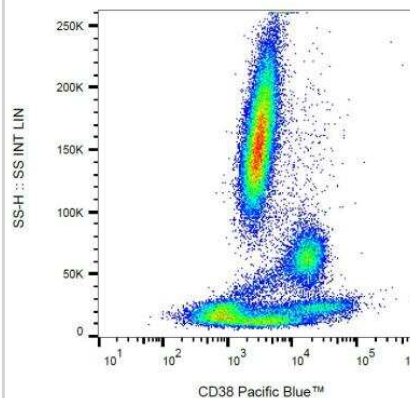
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) PE-Cy™7.



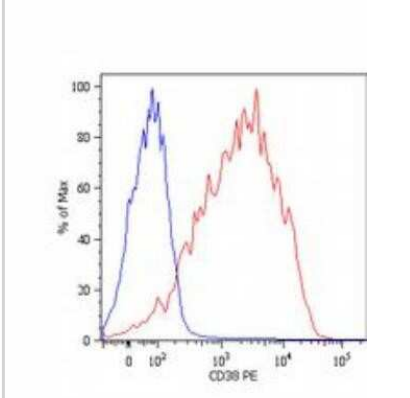
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Staining of human peripheral blood with anti-human CD38 (HIT2) PE-CyTM5.



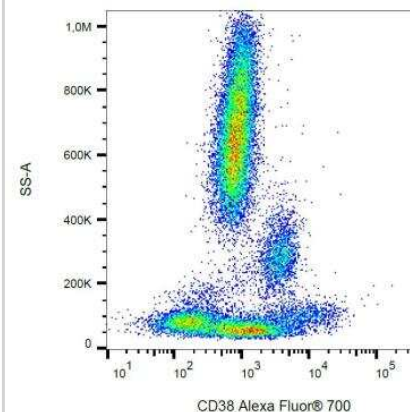
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Analysis (surface staining) of human peripheral blood with anti-human CD38 (HIT2) Pacific Blue(TM).



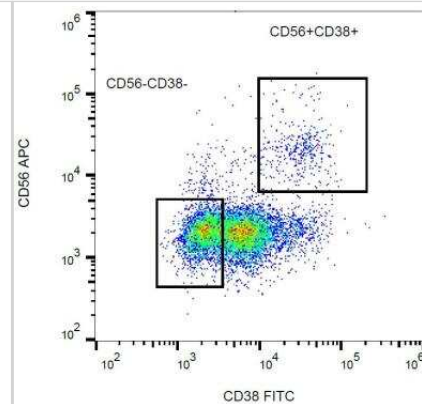
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Analysis using the PE conjugate of NB500-510. Surface staining of PHA stimulated human peripheral blood lymphocytes with anti-human CD38 (HIT2) PE.



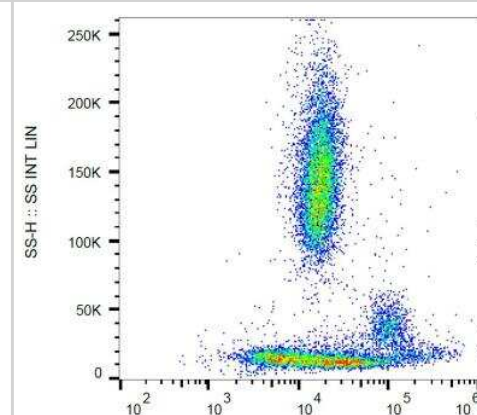
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) Alexa Fluor(R) 700.



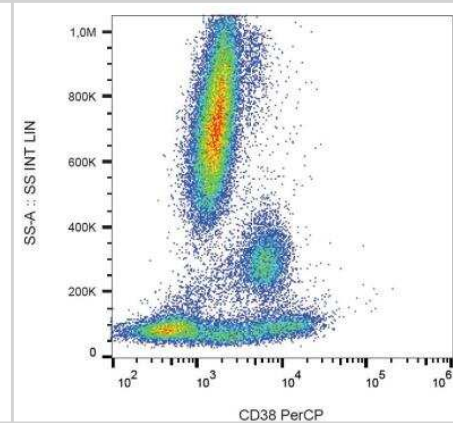
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) FITC.



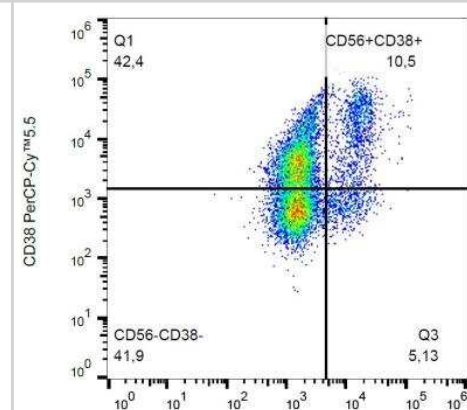
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) biotin / streptavidin-APC.



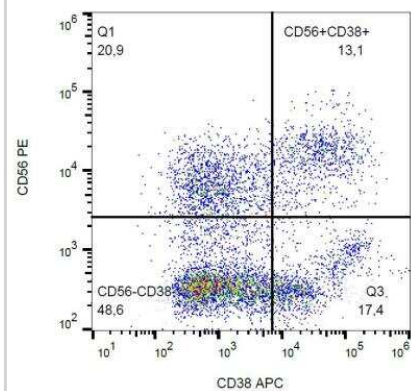
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) PerCP.



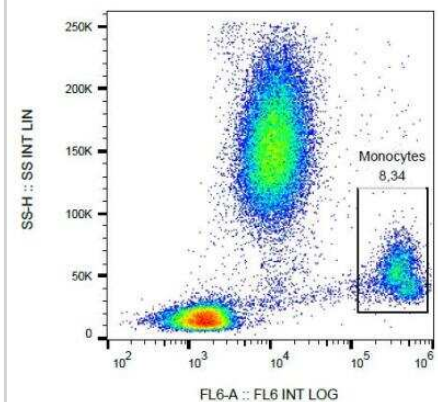
Flow Cytometry: CD38 Antibody (HIT2) [NB500-510] - Human peripheral blood with anti-human CD38 (HIT2) APC-CyTM7.



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.



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### **Products Related to NB500-510**

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NBL1-08942	CD38 Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **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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