

Product Datasheet

CD19 Antibody (CB19) - BSA Free NBP2-25196

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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NBP2-25196

CD19 Antibody (CB19) - BSA Free

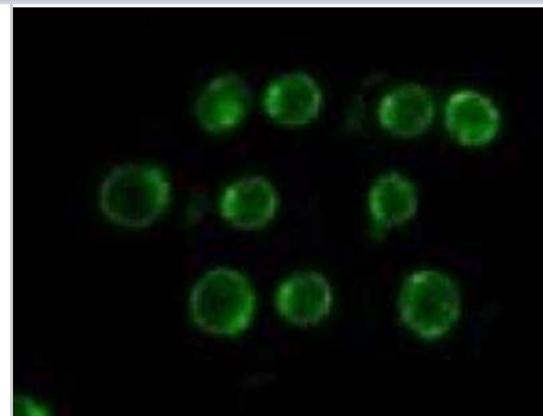
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CB19
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse CD19 Antibody (CB19) - BSA Free (NBP2-25196) is a monoclonal antibody validated for use in WB, Flow and ICC/IF. Anti-CD19 Antibody: Cited in 11 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	930
Gene Symbol	CD19
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27532872).
Immunogen	Intact normal human B cell cells were used as immunogen to generate the CB19 clone.

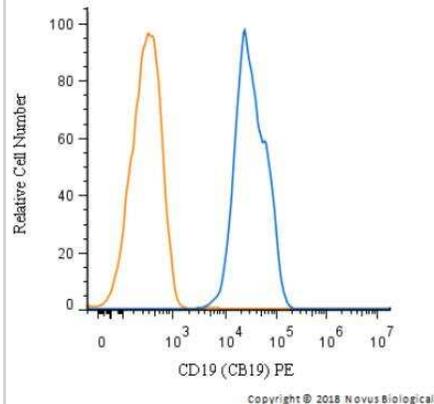
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, In vitro assay, CyTOF-ready
Recommended Dilutions	Western Blot reported in scientific literature (PMID 17327405), Flow Cytometry 0.2 ug/10 ⁶ cells, Immunocytochemistry/ Immunofluorescence 1:25-1:100, In vitro assay reported in scientific literature (PMID 9576485), CyTOF-ready
Application Notes	This antibody is CyTOF ready.

Images

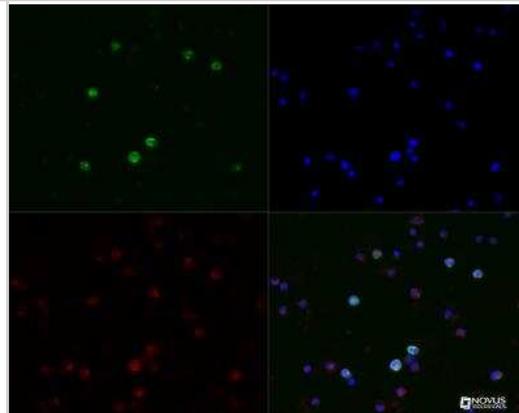
Immunocytochemistry/Immunofluorescence: CD19 Antibody (CB19) [NBP2-25196] - CD19 antibody (CB19) was tested in Non-Hodgkin's lymphoma cells at 1:200 dilution. Green: Alexa Flour 488. Image from verified customer review.



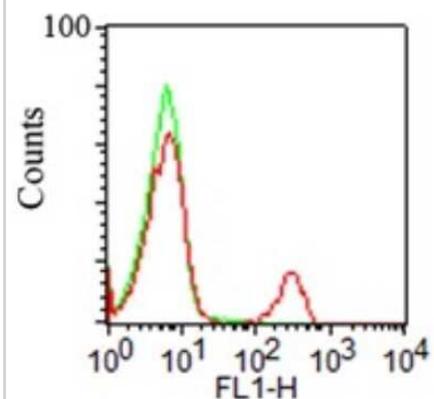
Flow Cytometry: CD19 Antibody (CB19) [NBP2-25196] - A surface stain was performed on Ramos cells with CD19 Antibody (CB19) NBP2-26646 (blue) and a matched isotype control (orange). Cells were incubated in an antibody dilution of 2.5 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to phycoerythrin.



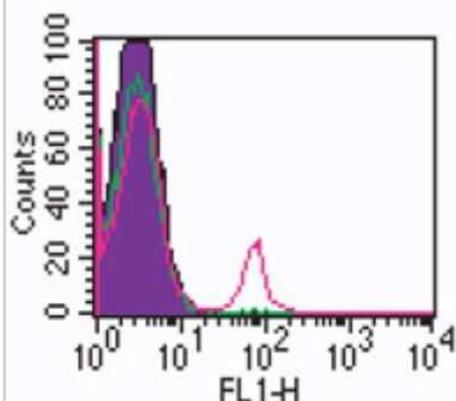
Immunocytochemistry/Immunofluorescence: CD19 Antibody (CB19) [NBP2-25196] - The CD19 (CB19) antibody was tested in Daudi cells at a 1:40 dilution against Dylight 488 (Green). Actin and nuclei were counterstained against Phalloidin 568 (Red) and DAPI (Blue), respectively.



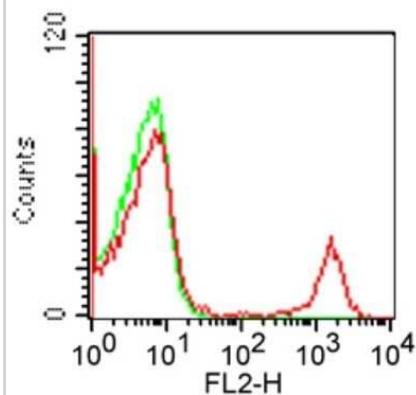
Flow Cytometry: CD19 Antibody (CB19) [NBP2-25196] - Surface staining of 10^6 human lymphocytes using 0.2 ug of CD19 antibody (red) and isotype control (green). Cell surface staining kit was used for this test.



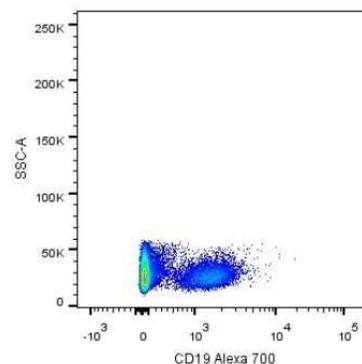
Flow Cytometry: CD19 Antibody (CB19) [NBP2-25196] - Analysis using the FITC conjugate of NBP2-25196. Staining of CD19 in 10^6 human lymphocytes using 10 ul (0.25 ug) of this antibody. Shaded histogram represents cells without antibody; green represents isotype control ; red represents anti-CD19 antibody.



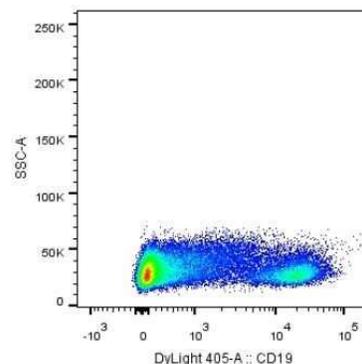
Flow Cytometry: CD19 Antibody (CB19) [NBP2-25196] - Analysis using the PE conjugate of NBP2-25196. Staining of CD19 in 1×10^6 human PBMC using 10 μ l (0.25 μ g) of was used to test this product. Propidium iodide negative lymphocyte population gated for analysis.



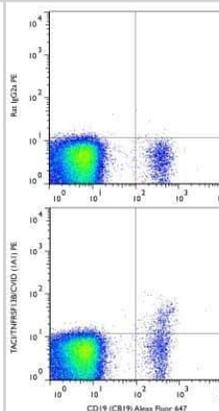
Flow Cytometry: CD19 Antibody (CB19) [NBP2-25196] - Analysis using the Alexa Fluor (R) 700 conjugate of NBP2-25196. Staining of human PBMC. Image from verified customer review.



Flow Cytometry: CD19 Antibody (CB19) [NBP2-25196] - Analysis using the DyLight 405 conjugate of NBP2-25196. Staining of CD19 in human PBMCs using anti-CD19 antibody. Image from verified customer review.



Flow Cytometry: CD19 Antibody (CB19) [NBP2-25196] - A surface stain was performed on human peripheral blood lymphocytes with TACI/TNFRSF13B/CVID (1A1) antibody NB600-1189PE and a matched isotype control. Cells were incubated in an antibody dilution of 2 μ g/mL for 20 minutes at room temperature. A co-stain was performed with NBP2-25196AF647.



Flow Cytometry: CD19 Antibody (CB19) [NBP2-25196] - A surface stain was performed on human peripheral blood lymphocytes with CD9 (HI9a) antibody NB100-77915AF647 and a matched isotype control NBP2-27287AF488. Cells were incubated in an antibody dilution of 1 ug/mL for 20 minutes at room temperature. A co-stain was performed with NBP2-26646.



Publications

Jun Ochiai, Larakaye Villanueva, Hope Niihara, Yutaka Niihara, Joan Oliva Posology and Serum-/Xeno-Free Engineered Adipose Stromal Cells Cell Sheets *Frontiers in Cell and Developmental Biology* 2022-04-26 [PMID: 35557946]

Wang X, Nakamoto T, Dulinska-Molak I. Regulating the stemness of mesenchymal stem cells by tuning micropattern features. *J Mater Chem B* 2020-04-09 [PMID: 32262807]

Sorensen EM Plasma-derived exosomes as potential biomarkers for pediatric acute leukemia. Thesis 2020-01-01 (WB, Human)

Details:

Exosomes from human plasma samples underwent Western blot analysis.

Holla S, Prakhar P, Singh V et al. MUSASHI-Mediated Expression of JMJD3, a H3K27me3 Demethylase, Is Involved in Foamy Macrophage Generation during Mycobacterial Infection *PLoS Pathog.* 2016-08-01 [PMID: 27532872] (Mouse)

Details:

This citation used the PE version of this antibody.

Deaglio S, Canella D, Baj G et al. Evidence of an immunologic mechanism behind the therapeutical effects of arsenic trioxide (As(2)O(3)) on myeloma cells *Leuk Res.* 2001-03-01 [PMID: 11226519]

Musso T, Deaglio S, Franco L et al. CD38 expression and functional activities are up-regulated by IFN-gamma on human monocytes and monocytic cell lines *J Leukoc Biol.* 2001-04-01 [PMID: 11310847] (Human)

Zilber MT, Gregory S, Mallone R et al. CD38 expressed on human monocytes: a coaccessory molecule in the superantigen-induced proliferation *Proc Natl Acad Sci U S A.* 2000-03-14 [PMID: 10706632] (Human)

Deaglio S, Vaisitti T, Billington R et al. CD38/CD19: a lipid raft-dependent signaling complex in human B cells *Blood.* 2007-06-15 [PMID: 17327405] (ICC/IF, WB, Human)

Morra M, Zubiaur M, Terhorst C et al. CD38 is functionally dependent on the TCR/CD3 complex in human T cells *FASEB J.* 1998-05-01 [PMID: 9576485] (In vitro, Human)

Deaglio S, Vaisitti T, Bergui L et al. CD38 and CD100 lead a network of surface receptors relaying positive signals for B-CLL growth and survival *Blood.* 2005-04-15 [PMID: 15613544] (ICC/IF, FLOW, Human)

Deaglio S, Capobianco A, Bergui L et al. CD38 is a signaling molecule in B-cell chronic lymphocytic leukemia cells *Blood.* 2003-09-15 [PMID: 12763926] (ICC/IF, FLOW, Human)

Deaglio S, Morra M, Mallone R et al. Human CD38 (ADP-ribosyl cyclase) is a counter-receptor of CD31, an Ig superfamily member *J Immunol.* 1998-01-01 [PMID: 9551996] (FLOW, Human)



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Products Related to NBP2-25196

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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