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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Reviews: 1 Publications: 12

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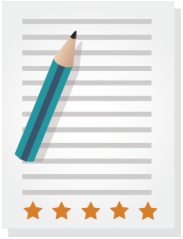
Updated 2/24/2025 v.20.1



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

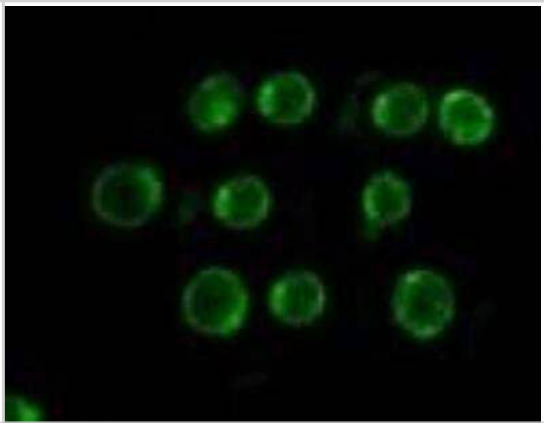
Host	Mouse
Gene ID	930
Gene Symbol	CD19
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27532872).
Immunogen	Intact normal human B cell cells were used as immunogen to generate the CB19 clone.

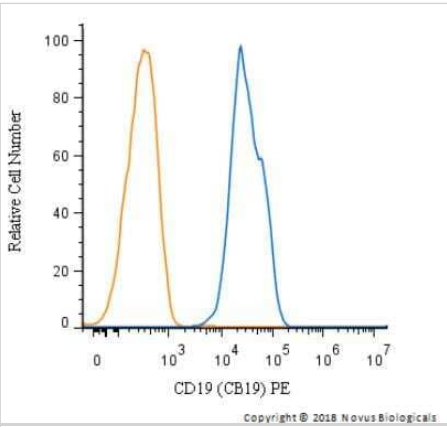
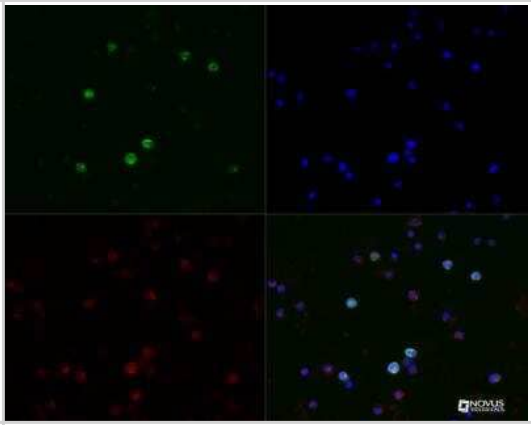
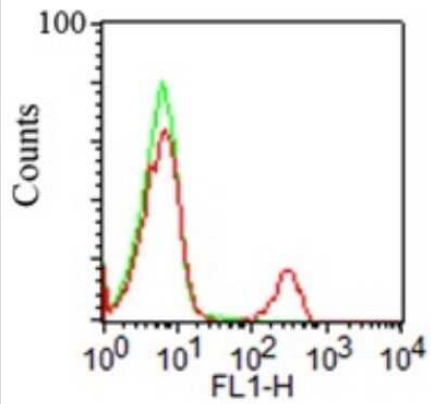
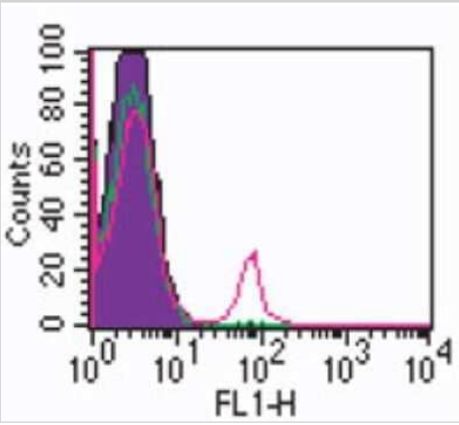
Product Application Details

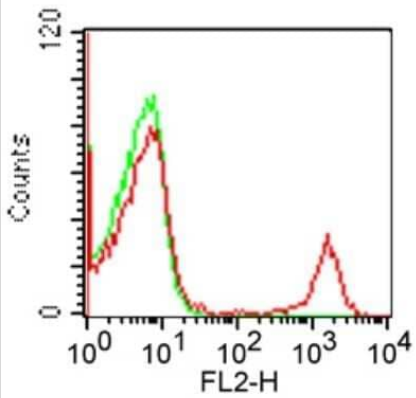
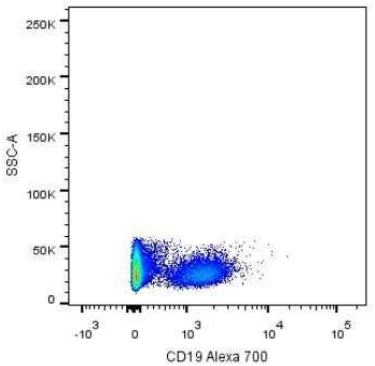
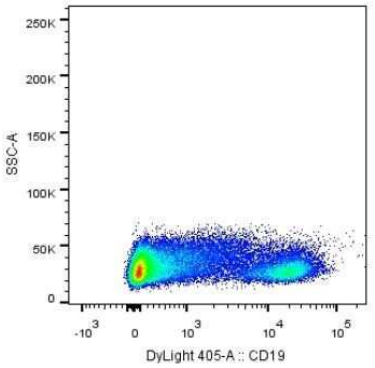
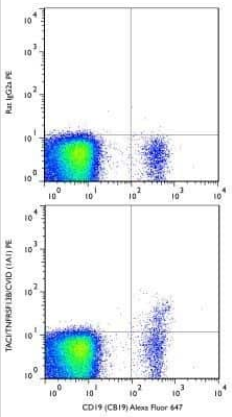
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, In vitro assay, CyTOF-ready
Recommended Dilutions	Western Blot reported in scientific literature (PMID 17327405), Flow Cytometry 0.2 ug/10^6 cells, Immunocytochemistry/ Immunofluorescence 1:25-1:100, In vitro assay reported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

Images

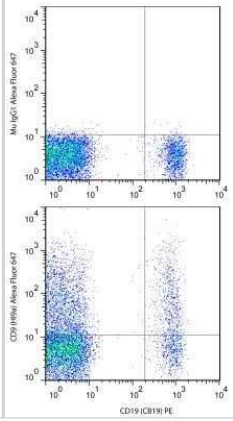
Immunocytochemistry/Immunofluorescence: CD19 Antibody (CB19) [NBP2-25196] - CD19 antibody (CB19) was tested in Non-Hodgkin's lymphoma cells at 1:200 dilution. Green: Alexa Flour 488. Image from verified customer review.



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 1x10^6 human PBMC using 10 ul (0.25 ug) 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 ug/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. 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

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)
NBP2-25196V	CD19 Antibody (CB19) [DyLight 405]

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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