

Product Datasheet

CD20 Antibody (SPM618)

NBP2-44746-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44746-0.1mg

CD20 Antibody (SPM618)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	SPM618
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	<p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-11495)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Mouse
Gene ID	931
Gene Symbol	MS4A1
Species	Human
Marker	B-Cell Marker
Specificity/Sensitivity	<p>Recognizes a protein of 30-33kDa, which is identified as CD20. It is a non-Ig differentiation antigen of B-cells and its expression is restricted to normal and neoplastic B-cells, being absent from all other leukocytes and tissues. CD20 is expressed by pre B-cells and persists during all stages of B-cell maturation but is lost upon terminal differentiation into plasma cells. This monoclonal antibody can be used for immunophenotyping of leukemia and malignant cells, B lymphocyte detection in peripheral blood and B cell localization in tissues. It reacts with the majority of B-cells present in peripheral blood and lymphoid tissues and their derived lymphomas. In lymphoid tissue, germinal center blasts and B-immunoblasts are particularly reactive. It is a reliable antibody for ascribing a B-cell phenotype in known lymphoid tissues. Rarely, CD20-positive T-cell lymphomas have been reported. Reactivity has also been noted with Reed-Sternberg cells in cases of Hodgkin s disease, particularly of lymphocyte predominant type.</p>
Immunogen	Recombinant human CD20 protein (Uniprot: P11836)

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml

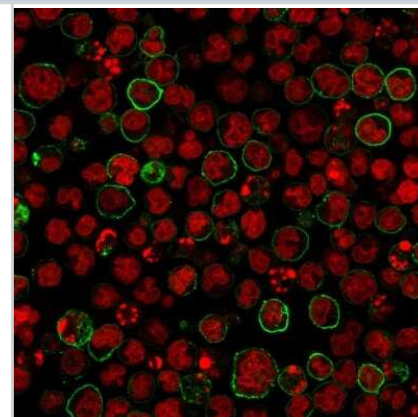


Application Notes

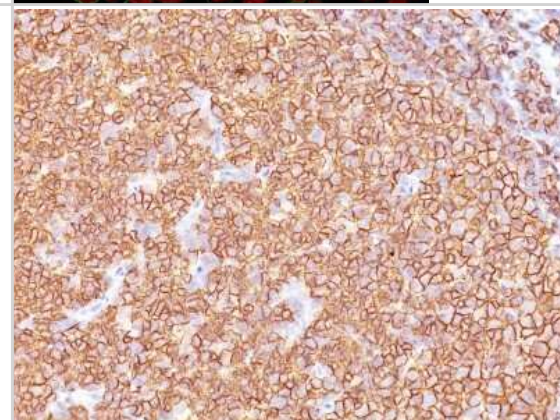
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

Images

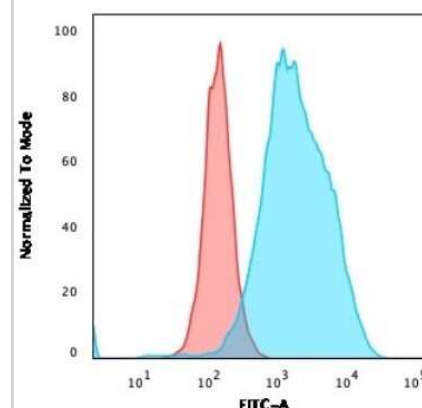
Immunocytochemistry/Immunofluorescence: CD20 Antibody (SPM618) [NBP2-44746] - Immunofluorescence staining of MOLT-4 cells using CD20 Antibody (SPM618) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Red Dot.



Immunohistochemistry-Paraffin: CD20 Antibody (SPM618) [NBP2-44746] - Human Tonsil stained with CD20 Monoclonal Antibody (SPM618)



Flow Cytometry: CD20 Antibody (SPM618) [NBP2-44746] - Flow Cytometric Analysis of Raji cells using CD20 Antibody (SPM618) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).

**Publications**

Vicki Plaks, John M. Rossi, Justin Chou, Linghua Wang, Soumya Poddar, Guangchun Han, Zixing Wang, Shao-Qing Kuang, Fuliang Chu, Richard E. Davis, Francisco Vega, Zahid Bashir, Caron A. Jacobson, Frederick L. Locke, Patrick M. Reagan, Scott J. Rodig, Lazaros J. Lekakis, Ian W. Flinn, David B. Miklos, Adrian Bot, Sattva S. Neelapu CD19 target evasion as a mechanism of relapse in large B-cell lymphoma treated with axicabtagene ciloleucel Blood 2021-09-23 [PMID: 34041526]



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Products Related to NBP2-44746-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-61455-10ug	Recombinant Human CD20 His Protein

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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