

# Product Datasheet

## CD20 Antibody (rIGEL/773) - Azide and BSA Free NBP2-54591-100ug

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**Reviews: 1 Publications: 1**

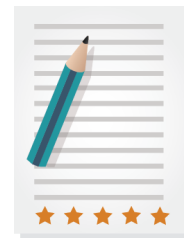
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Updated 7/16/2024 v.20.1

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**NBP2-54591-100ug**

CD20 Antibody (rIGEL/773) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	rIGEL/773
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS

Product Description	
Description	<p>1.0 mg/ml of recombinant monoclonal antibody purified by Protein A/G. Prepared in 10mM PBS WITHOUT BSA &amp; azide. Also available at 200 ug/ml WITH BSA &amp; azide (NBP2-53190).</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.</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 full-length human CD20 fragment (Uniprot: P11836)

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, CyTOF-ready
Recommended Dilutions	Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5 - 1 ug/ml, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Protein Array, CyTOF-ready

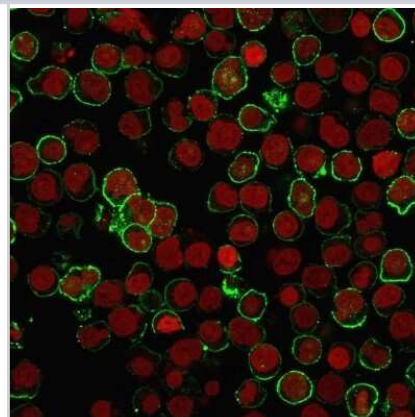


**Application Notes**

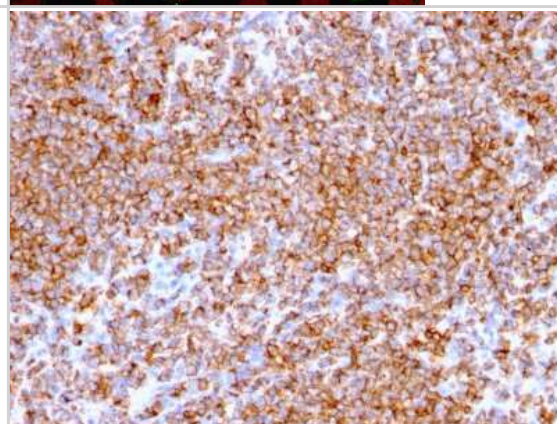
Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

**Images**

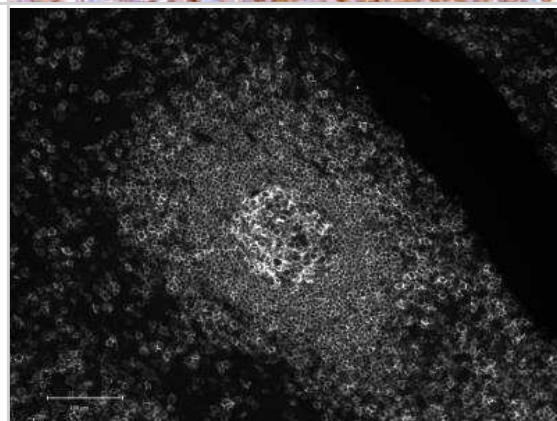
Immunocytochemistry/Immunofluorescence: CD20 Antibody (rIGEL/773) - Azide and BSA Free [NBP2-54591] - Immunofluorescence staining of Raji cells using CD20 Antibody (rIGEL/773) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Red Dot.



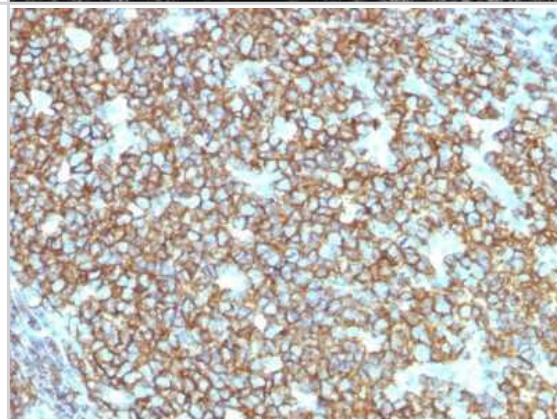
Immunohistochemistry-Paraffin: CD20 Antibody (rIGEL/773) - Azide and BSA Free [NBP2-54591] - Formalin-fixed, paraffin-embedded human lymph node stained with CD20 Antibody (rIGEL/773).



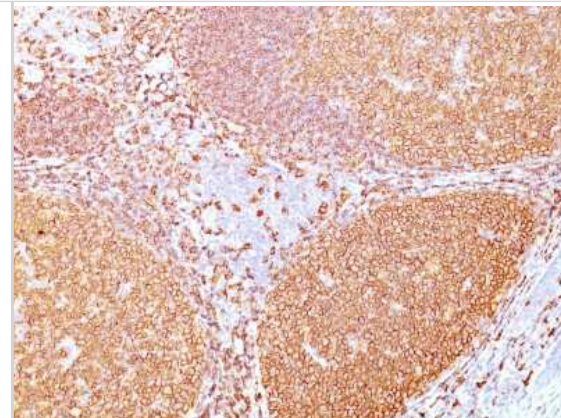
Immunohistochemistry-Paraffin: CD20 Antibody (rIGEL/773) - Azide and BSA Free [NBP2-54591] - Human tonsil. Antigen retrieval at pH 9. IF with Cy3 conjugate. Image from verified customer review.



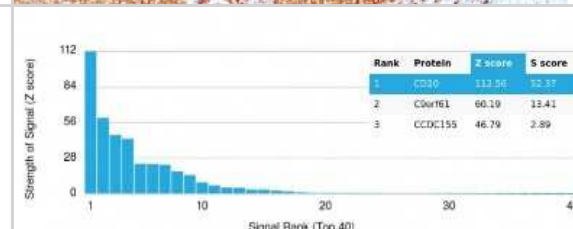
Immunohistochemistry-Paraffin: CD20 Antibody (rIGEL/773) - Azide and BSA Free [NBP2-54591] - Formalin-fixed, paraffin-embedded human Tonsil stained with CD20 Recombinant Mouse Monoclonal Antibody (rIGEL/773).



Immunohistochemistry-Paraffin: CD20 Antibody (rIGEL/773) - Azide and BSA Free [NBP2-54591] - Formalin-fixed, paraffin-embedded human tonsil stained with CD20 Antibody (rIGEL/773).



Protein Array: CD20 Antibody (rIGEL/773) - Azide and BSA Free [NBP2-54591] - Analysis of Protein Array containing more than 19,000 full-length human proteins using CD20 Antibody (rIGEL/773).



## Publications

Mascharak S, Guo JL, Foster DS et al. Desmoplastic stromal signatures predict patient outcomes in pancreatic ductal adenocarcinoma Cell reports. Medicine 2023-10-11 [PMID: 37865092]



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### **Products Related to NBP2-54591-100ug**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-61455-10ug	Recombinant Human CD20 His Protein

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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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