

Product Datasheet

CD20 Antibody (IGEL/773) NBP2-44745-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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NBP2-44745-0.1mg

CD20 Antibody (IGEL/773)

Product Information

Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	IGEL/773
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	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. (NBP2-47840) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	931
Gene Symbol	MS4A1
Species	Human
Reactivity Notes	Others not known.
Marker	B-Cell Marker
Specificity/Sensitivity	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.
Immunogen	Recombinant full-length human CD20 protein (Uniprot: P11836)

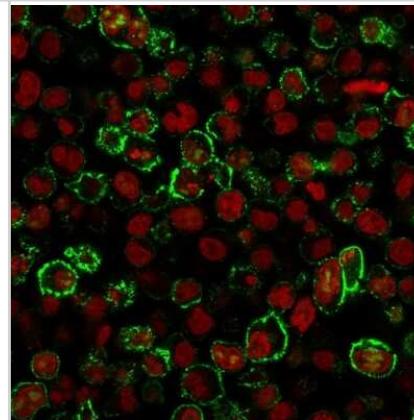
Product Application Details

Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Multiplex Immunoassay
Recommended Dilutions	Western Blot, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry 1-2 ug/ml, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.5 - 1.0 ug/ml, Multiplex Immunoassay

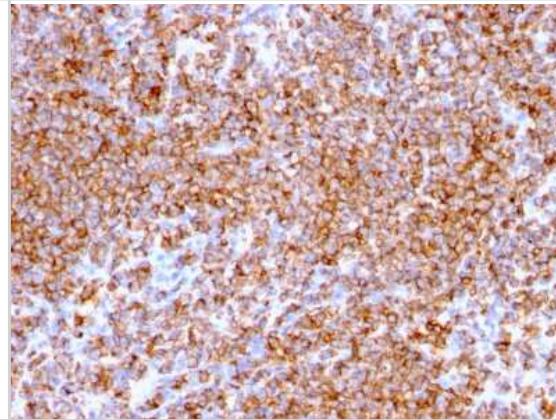
Application Notes	<p>Use in Multiplex Immunoassay reported in scientific literature (PMID: 31942075)</p> <p>Immunohistology (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.</p> <p>Optimal dilution for a specific application should be determined.</p>
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Images

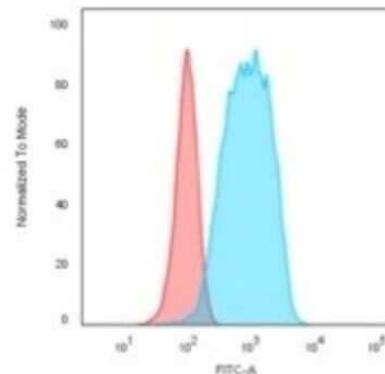
Immunocytochemistry/Immunofluorescence: CD20 Antibody (IGEL/773) [NBP2-44745] - Immunofluorescence staining of Raji cells using CD20 Antibody (IGEL/773) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Red Dot.



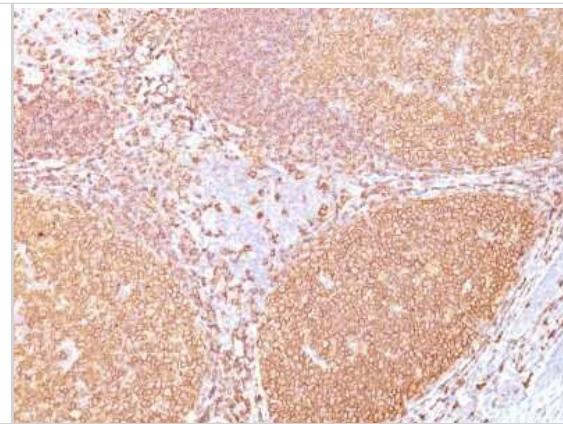
Immunohistochemistry-Paraffin: CD20 Antibody (IGEL/773) [NBP2-44745] - Formalin-fixed, paraffin-embedded human Lymphoma stained with CD20 Mouse Monoclonal Antibody (IGEL/773).



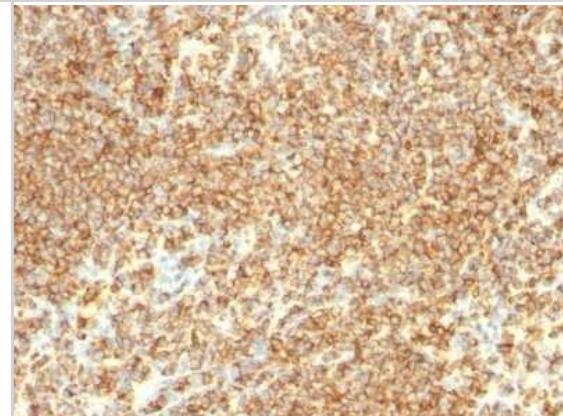
Flow Cytometry: CD20 Antibody (IGEL/773) [NBP2-44745] - Flow Cytometric Analysis of Raji cells. CD20 Antibody (IGEL/773) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



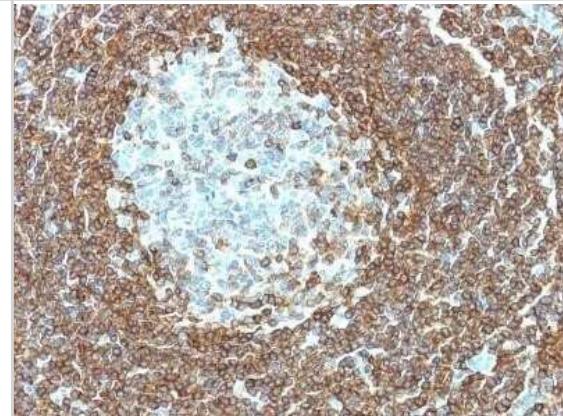
Immunohistochemistry-Paraffin: CD20 Antibody (IGEL/773) [NBP2-44745] - Human Tonsil stained with CD20 Monoclonal Antibody (IGEL/773)



Immunohistochemistry-Paraffin: CD20 Antibody (IGEL/773) [NBP2-44745] - Human Lymphoma stained with CD20 Monoclonal Antibody (IGEL/773)



Immunohistochemistry-Paraffin: CD20 Antibody (IGEL/773) [NBP2-44745] - Immunohistochemistry-Paraffin: CD20 Antibody (IGEL/773) - Azide and BSA Free [NBP2-47840] - Formalin-fixed, paraffin-embedded human Tonsil stained with CD3 epsilon Monoclonal Antibody (C3e/1308). Image from the DyLight 594 version of this antibody.



Publications

Italiano A, Bessede A, Pulido M Et al. Pembrolizumab in soft-tissue sarcomas with tertiary lymphoid structures: a phase 2 PEMBROSARC trial cohort Nat Med 2022-05-26 [PMID: 35618839] (IHC-P, Human)

Details:

Citation using the Alexa Fluor 532 version of this antibody.

Rivelles F, Surace AEA, Goldmann K Et al. Rituximab versus tocilizumab in rheumatoid arthritis: synovial biopsy-based biomarker analysis of the phase 4 R4RA randomized trial Nat Med 2022-05-19 [PMID: 35589854] (IHC-P, Human)

Details:

Citation using the Alexa Fluor 532 version of this antibody.

Helmink BA, Reddy SM, Gao J et al. B cells and tertiary lymphoid structures promote immunotherapy response Nature. [PMID: 31942075] (MI, Human)



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Products Related to NBP2-44745-0.1mg

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)
H00000931-P01-25ug	Recombinant Human CD20 GST (N-Term) 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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