

# Product Datasheet

## CD20 Antibody (IGEL/773) [DyLight 594] NBP2-47840DL594

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47840DL594**

CD20 Antibody (IGEL/773) [DyLight 594]

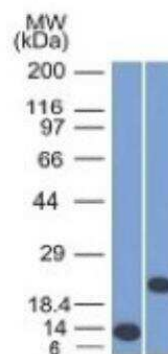
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	IGEL/773
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG2a Kappa
<b>Conjugate</b>	DyLight 594
<b>Purity</b>	Protein A purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	931
<b>Gene Symbol</b>	MS4A1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Others not known.
<b>Marker</b>	B-Cell Marker
<b>Specificity/Sensitivity</b>	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.
<b>Immunogen</b>	Recombinant full-length human CD20 protein (Uniprot: P11836 )
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence, Multiplex Immunoassay
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready, Multiplex Immunoassay

**Application Notes**

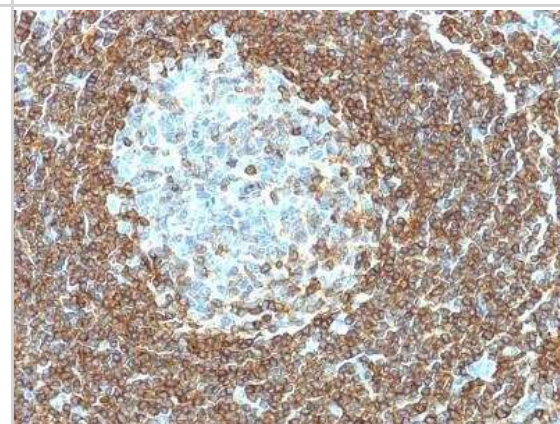
Use in Multiplex Immunoassay reported in scientific literature (PMID: 31942075).  
 Hu-chromosome location: 11q12.2 Molecular weight of antigen: 33-37kDa  
 Immunohistochemistry-Paraffin 0.5 - 1 ug/ml for 30 minutes at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10 - 20 min followed by cooling at RT for 20 minutes.

**Images**

Western Blot: CD3 epsilon Antibody (C3e/1308) [DyLight 594] [NBP2-47840DL594] - Western Blot of recombinant CD3e and Jurkat Cell Lysate using CD3e Monoclonal Antibody (C3e/1308)



Immunohistochemistry-Paraffin: CD3 epsilon Antibody (C3e/1308) [DyLight 594] [NBP2-47840DL594] - Formalin-fixed, paraffin-embedded human Tonsil stained with CD3 epsilon Monoclonal Antibody (C3e/1308).

**Publications**

Macchiarella G, Cornacchione V, Cojean C et al. Disease Association of Anti-Carboxyethyl Lysine Autoantibodies in Hidradenitis Suppurativa The Journal of investigative dermatology 2023-02-01 [PMID: 36116506]

Rivellese 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 NBP2-47840DL594**

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NBP1-96981DL594	Mouse IgG2a Kappa Isotype Control (M2AK) [DyLight 594]
NBP2-61455-10ug	Recombinant Human CD20 His Protein
210-TA-005	TNF-alpha [Unconjugated]
NBL1-13312	CD20 Overexpression Lysate

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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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