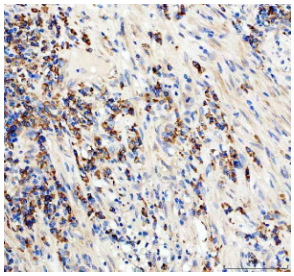
Anti-CD19 Antibody (R31973)

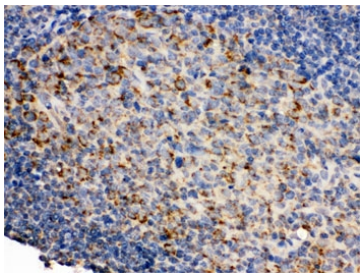
Catalog No.	Formulation	Size
R31973	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

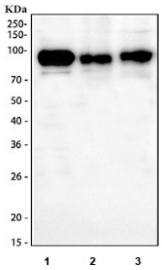
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P15391
Localization	Cell surface, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml
Limitations	This anti-CD19 antibody is available for research use only.



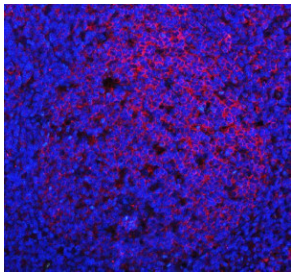
CD19 Antibody Human Appendix IHC. Immunohistochemistry analysis of FFPE human appendix tissue using CD19 Antibody. Heat induced antigen retrieval was performed by boiling tissue sections in pH 8 EDTA buffer for 20 minutes prior to staining. Strong membranous staining is observed in lymphoid cell populations, consistent with CD19 expression on B cells within immune tissue. These results support the use of CD19 Antibody for studying B cell markers, immune cell identification and lymphocyte-associated pathways.



CD19 Antibody Human Tonsil IHC. Immunohistochemistry analysis of FFPE human tonsil tissue using CD19 Antibody. Heat induced antigen retrieval was performed by boiling tissue sections in pH 6 citrate buffer for 20 minutes prior to staining. Strong membranous staining is observed in B cell populations within lymphoid tissue, consistent with CD19 expression as a B lymphocyte marker. These results support the use of CD19 Antibody for studying B cell identification, immune cell populations and lymphocyte development pathways.



CD19 Antibody Human B Cell WB. Western blot analysis of human B cell lysates using CD19 Antibody / B Cell Marker Antibody. Lane 1: Raji cells; Lane 2: Ramos cells; Lane 3: Daudi cells. Specific bands are detected between approximately 60â€“100 kDa, consistent with the expected molecular weight range of glycosylated CD19 protein. These results support the use of CD19 Antibody / B Cell Marker Antibody for studying B lymphocyte markers, immune cell identification and hematopoietic cell signaling pathways.



CD19 Antibody Human Tonsil IF. Immunofluorescence analysis of FFPE human tonsil tissue using CD19 Antibody / B Cell Marker Antibody. Heat induced antigen retrieval was performed using pH 8 EDTA buffer, and the tissue section was incubated with the primary antibody at 5 ug/ml overnight at 4Â°C. CD19 expression is shown in red with DAPI nuclear counterstain shown in blue. Strong membranous staining is observed in B cell populations, supporting the use of CD19 Antibody / B Cell Marker Antibody for studying B lymphocyte markers, immune cell localization and immune tissue organization.

Description

B-lymphocyte antigen CD19, also known as CD19 (Cluster of Differentiation 19), is a protein that in humans is encoded by the CD19 gene. It is found on the surface of B-cells, a type of white blood cell. Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. The CD19 gene encodes a cell surface molecule that assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

Researchers studying B cell markers and immune cell signaling may also be interested in our CD19 Antibody / B Cell Marker Antibody page, featuring a Protein Microarray Validated recombinant monoclonal antibody for B lymphocyte detection and immunology research.

Application Notes

Optimal dilution of the anti-CD19 antibody should be determined by the researcher.

Immunogen

Amino acids LVGILHLQRALVLRRKRKRMTDPTRRFFKVT of human CD19 were used as the immunogen for the anti-CD19 antibody.

Storage

After reconstitution, the anti-CD19 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.