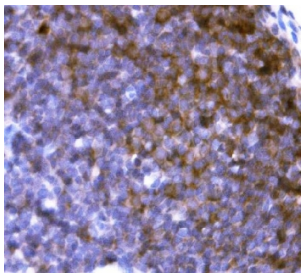
Rat CD19 Antibody (RQ7965)

Catalog No.	Formulation	Size
RQ7965	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	F1LNH2
Applications	Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This Rat CD19 Antibody is available for research use only.



Rat CD19 Antibody IHC. Immunohistochemistry staining of FFPE rat lymph node tissue with Cd19 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

Rat CD19 Antibody detects the rat form of CD19, a B lymphocyte surface protein involved in immune cell identification, activation and signaling. CD19 is a transmembrane glycoprotein expressed throughout much of B cell development and is commonly used as a marker for identifying B lineage cells in immunology research. As part of the B cell receptor co-receptor complex, CD19 helps regulate signaling pathways that influence B cell activation, proliferation and immune responses. Rat CD19 Antibody is useful for researchers studying rat immune models, B lymphocyte populations and adaptive immune system function.

CD19 expression is associated with early and mature stages of B cell development, making it an important marker for evaluating B cell distribution and differentiation. The protein interacts with additional immune signaling components to help control the sensitivity and strength of B cell receptor-mediated responses. Detection of rat CD19 allows researchers to investigate lymphocyte development, immune regulation and changes in B cell populations across experimental models.

Research involving rat CD19 contributes to studies of immunology, inflammation, autoimmune pathways and hematologic research models. Because B cells participate in antibody production, antigen presentation and immune communication, analysis of CD19-positive populations provides valuable information about immune system organization and function. A Rat CD19 Antibody can support investigations examining immune cell composition, lymphoid tissues and B cell-associated signaling pathways.

Rat-specific antibodies are valuable tools when studying experimental systems where species compatibility and target recognition are important. Antibodies designed for rat CD19 detection help researchers evaluate immune responses in rat tissues and cells without relying on cross-reactivity from antibodies developed primarily against human targets. These reagents support accurate analysis of B lymphocyte markers in preclinical and basic research applications.

NSJ Bioreagents offers Rat CD19 Antibody products for researchers studying B cell biology, immunology and lymphocyte-associated pathways. These antibodies support applications such as flow cytometry, immunohistochemistry and other protein detection methods for evaluating CD19 expression. Rat CD19 Antibody provides a valuable tool for studying rat B cell markers, adaptive immune responses and immune system regulation.

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 Rat CD19 Antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant rat protein (amino acids D89-L420) was used as the immunogen for the Rat CD19 Antibody.

Storage

After reconstitution, the Rat 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.

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