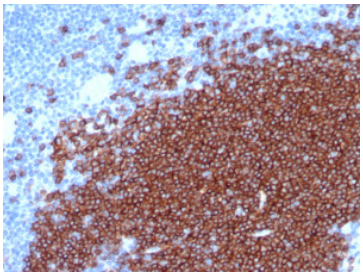
CD19 Antibody / B Cell Marker Antibody [clone CD19/4260R] (V5821)

Catalog No.	Formulation	Size
V5821-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5821-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5821SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V5821IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

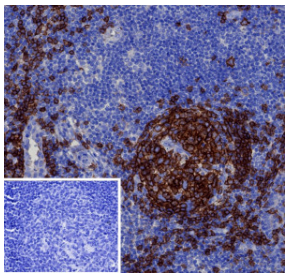
Recombinant RABBIT MONOCLONAL

Bulk quote request

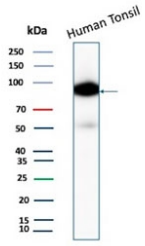
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG1, kappa
Clone Name	CD19/4260R
UniProt	P15391
Localization	Cell surface, cytoplasmic
Applications	Western blot: 2-4ug/ml Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This CD19 Antibody / B Cell Marker Antibody is available for research use only.



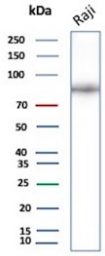
CD19 Antibody Human Lymph Node IHC. Immunohistochemistry analysis of FFPE human lymph node tissue using recombinant CD19 Antibody / B Cell Marker Antibody (clone CD19/4260R). Heat induced antigen retrieval was performed by boiling tissue sections in pH 9 Tris-EDTA buffer for 20 minutes prior to staining. Strong membranous staining is observed in B cell populations within lymphoid tissue, consistent with CD19 expression as a B lymphocyte surface marker. These results support the use of CD19 Antibody / B Cell Marker Antibody, a Protein Microarray Validated recombinant monoclonal antibody, for studying immune cell identification and B cell biology.



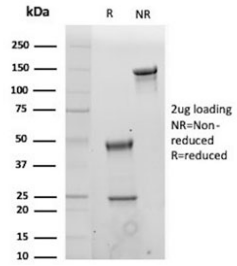
CD19 Antibody Human Tonsil IHC. Immunohistochemistry analysis of FFPE human tonsil tissue using recombinant CD19 Antibody / B Cell Marker Antibody (clone CD19/4260R). Heat induced antigen retrieval was performed by boiling tissue sections in pH 9 Tris-EDTA buffer for 20 minutes prior to staining. PBS was used in place of the primary antibody as a negative control (inset). Strong membranous staining is observed in B cell populations within lymphoid follicles, supporting the use of CD19 Antibody / B Cell Marker Antibody for studying B lymphocyte markers, immune cell identification and hematopoietic research pathways.



CD19 Antibody Human Tonsil WB. Western blot analysis of human tonsil tissue lysate using recombinant CD19 Antibody / B Cell Marker Antibody (clone CD19/4260R). A specific band is detected between approximately 60â€“100 kDa, consistent with the expected molecular weight range of glycosylated CD19 protein. Detection in human lymphoid tissue supports CD19 expression as a B cell surface marker. These results support the use of CD19 Antibody / B Cell Marker Antibody, a Protein Microarray Validated recombinant monoclonal antibody, for studying B lymphocyte biology, immune cell signaling and hematopoietic research pathways.



CD19 Antibody Raji Cell WB. Western blot analysis of human Raji cell lysate using recombinant CD19 Antibody / B Cell Marker Antibody (clone CD19/4260R). A specific band is detected between approximately 60â€“100 kDa, consistent with the expected molecular weight range of glycosylated CD19 protein. Detection in Raji B lymphocyte cells demonstrates antibody performance in a relevant CD19-positive model system. These results support the use of CD19 Antibody / B Cell Marker Antibody, a Protein Microarray Validated recombinant monoclonal antibody, for studying B cell markers, lymphocyte signaling and immune cell research.



SDS-PAGE analysis of purified, BSA-free recombinant CD19 antibody (clone CD19/4260R) as confirmation of integrity and purity.



CD19 Antibody Protein Microarray Validation. Protein microarray analysis of CD19 Antibody / B Cell Marker Antibody (clone CD19/4260R) using a HuProt array containing more than 19,000 full-length human proteins. The recombinant CD19 antibody demonstrates specific recognition of CD19, with the target protein producing the strongest signal on the array. These results demonstrate the specificity of CD19 Antibody / B Cell Marker Antibody, a Protein Microarray Validated antibody for studying B cell markers, lymphocyte identification and immune cell signaling pathways.

Description

CD19 Antibody / B Cell Marker Antibody detects a transmembrane glycoprotein expressed throughout most stages of B cell development. CD19 is a member of the immunoglobulin superfamily and functions as an important regulator of B lymphocyte activation, signaling and immune responses. As a defining marker of the B cell lineage, CD19 is widely used to identify normal and abnormal B cell populations in immunology and cancer research. Through its role as part of the B cell receptor co-receptor complex, CD19 helps regulate signaling pathways that influence B cell activation, proliferation and differentiation.

CD19 expression begins during early B cell development and is maintained through mature B cell stages, making it one of

the most commonly studied markers for B lymphocyte identification. CD19 participates in signaling complexes with proteins including CD21 and CD81, helping modulate responses triggered by antigen recognition. A CD19 Antibody / B Cell Marker Antibody is useful for researchers studying immune cell populations, lymphocyte development, B cell signaling pathways and adaptive immune system regulation.

CD19 is highly relevant in hematology and cancer research because altered B cell populations are associated with multiple lymphoid malignancies. CD19 expression is frequently studied in leukemia and lymphoma research, including investigations involving B cell development, malignant transformation and immune-targeting strategies. Because CD19 is retained on many B lineage cells, analysis of CD19 expression provides important information about B cell identity and differentiation status.

CD19 Antibody / B Cell Marker Antibody clone CD19/4260R is a recombinant rabbit monoclonal antibody validated by protein microarray analysis. Protein Microarray Validated antibodies are tested against thousands of full-length human proteins to help demonstrate target recognition and specificity. Clone CD19/4260R combines recombinant antibody technology with defined clone identity, supporting consistent antibody performance for researchers studying immune markers and B cell-associated proteins.

NSJ Bioreagents offers CD19 Antibody / B Cell Marker Antibody products for researchers investigating immunology, hematopoietic cell development and B lymphocyte biology. These antibodies support applications including immunohistochemistry, immunofluorescence, Western blot and flow cytometry analysis of CD19 expression and localization. CD19 Antibody / B Cell Marker Antibody provides a valuable tool for studying B cell markers, immune signaling pathways and lymphocyte-associated research areas.

Explore additional immune marker research tools in our CD Antibodies page, including targets involved in lymphocyte identification, immune cell signaling and hematopoietic cell analysis.

Application Notes

Optimal dilution of the CD19 Antibody / B Cell Marker Antibody should be determined by the researcher.

Immunogen

A recombinant fragment of human CD19 protein (around aa1-300) was used as the immunogen for the recombinant CD19 antibody.

Storage

Aliquot the recombinant CD19 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

B Lymphocyte Antigen CD19 antibody, B4 antibody, CVID3 antibody, CD19 Molecule antibody, Differentiation Antigen CD19 antibody, B Cell Surface Marker antibody

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