CD19 (B-Lymphocyte Marker) Antibody

Mouse Monoclonal Antibody [Clone CD19/7665]

Catalog No	Format	Size
930-MSM15-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
930-MSM15-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
930-MSM15-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

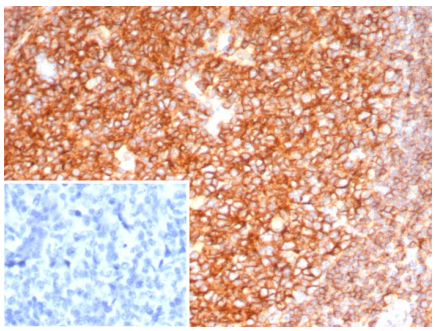
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

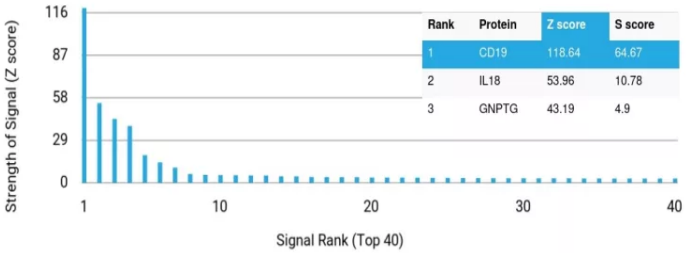
Clone	CD19/7665
Gene Name	CD19
Immunogen	Recombinant fragment of human CD19 protein (around aa1-300) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	95kDa
Cellular Localization	Cell surface
Species Reactivity	Human
Positive Control	Raji cells, Human tonsil|lymph node or spleen.

**Optimal dilution for a specific application should be determined.*

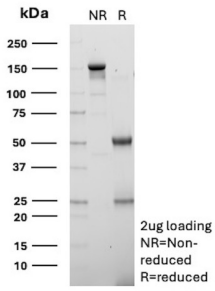
Product Images for CD19 (B-Lymphocyte Marker) Antibody



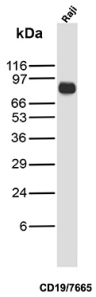
Formalin-fixed, paraffin-embedded human Tonsil stained with CD19 Mouse Monoclonal Antibody (CD19/7665). Inset: PBS instead of primary antibody; secondary only negative control.



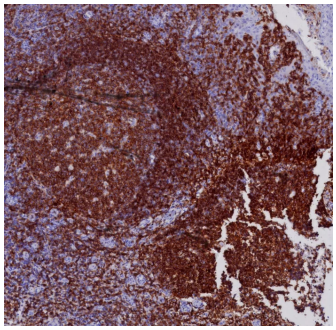
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing CD19 Mouse Monoclonal Antibody (CD19/7665). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified CD19 Mouse Monoclonal Antibody(CD19/7665). Confirmation of Purity and Integrity of Antibody



Western Blot Analysis of Raji cell lysate using CD19 Mouse Monoclonal Antibody (CD19/7665).



Formalin-fixed, paraffin-embedded human Tonsil stained with CD19 Mouse Monoclonal Antibody (CD19/7665). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

CD19 is a transmembrane glycoprotein that contains two extracellular immunoglobulin-like domains. CD19 is present in both benign and malignant B-cells and is considered to be the most reliable surface marker of this lineage over a wide range of maturational stages. In normal lymphoid tissue, CD19 is observed in germinal centers, in mantle zone cells, and in scattered cells of the inter-follicular areas. Anti-CD19 exhibits an overall immunoreactivity pattern similar to those of the antibodies against CD20 and CD22. However, in contrast to CD20, expression of CD19 is continuous throughout B-cell development and through terminal differentiation of B-cells into plasma cells. Anti-CD19 positivity is seen in the vast majority of B-cell neoplasms commonly at a lower intensity than normal B-cell counterparts. Plasma cell neoplasms are nearly always negative, as are T-cell neoplasms.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

B Cell Markers, Cardiovascular, Complement System, Hematopoietic Stem Cells, Immune checkpoint, Immunology, Infectious Disease, Mesenchymal Stem Cell Differentiation, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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