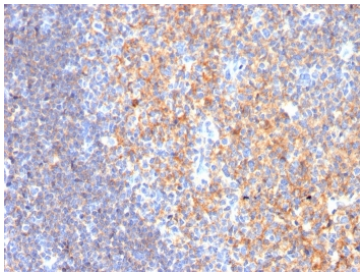
CD19 Antibody [clone CD19/3116] (V8224)

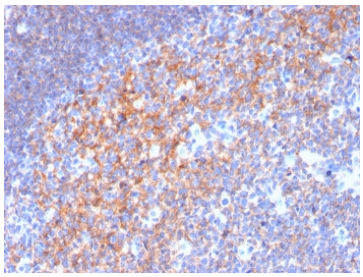
Catalog No.	Formulation	Size
V8224-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8224-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8224SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CD19/3116
Purity	Protein G affinity chromatography
UniProt	P15391
Localization	Cell surface, cytoplasmic
Applications	ELISA (order BSA-free Format For Coating) : Flow Cytometry : 1-2ug/10^6 cells in 0.1ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This CD19 antibody is available for research use only.



IHC staining of FFPE human tonsil with CD19 antibody (clone CD19/3116). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



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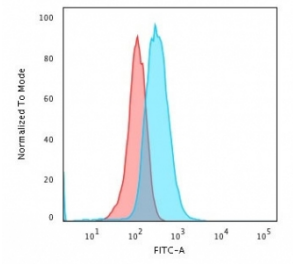
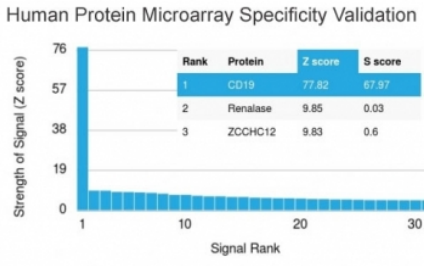
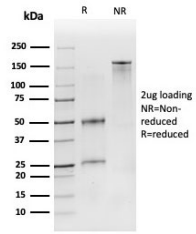


Flow cytometry testing of human Raji cells with CD19 antibody (clone CD19/3116); Red=isotype control, Blue= CD19 antibody.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CD19 antibody (clone CD19/3116). These results demonstrate the foremost specificity of the CD19/3116 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free CD19 antibody (clone CD19/3116) as confirmation of integrity and purity.

Description

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.

Application Notes

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

Immunogen

A recombinant human partial protein (amino acids 96-281) was used as the immunogen for the CD19 antibody.

Storage

Store the CD19 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).