

Mouse CD19 Monoclonal Antibody | anti-CD19 antibody

MOUSE ANTI HUMAN CD19

CATALOG # AAA49376	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunoprecipitation, Flow Cytometry, Functional Assay, ELISA
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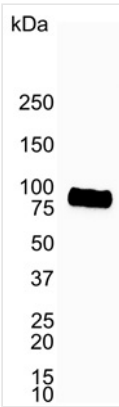
PRODUCT SYNONYMS

CD19; Monoclonal Antibody; MOUSE ANTI HUMAN CD19; anti-CD19 antibody

PRODUCT SPECIFICATIONS

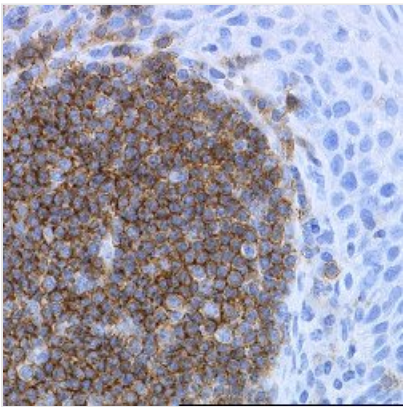
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	LE-CD19
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	557
Applicable Applications for anti-CD19 antibody	WB (Western Blot), IHC (Immunohistochemistry), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), ELISA
Perservative Stabilisers	0.09% Sodium Azide Preparation
Histology Positive Control Tissue	Tonsil Buffer Solution
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Western blot analysis of Raji human Lymphoblastic Burkitt's lymphoma whole cell lysate probed with Mouse anti Human CD19 antibody followed by HRP conjugated Goat anti Mouse IgG, visualized by chemiluminescence



Application Data

Staining formalin-fixed, paraffin-embedded human tonsil with Mouse anti Human CD19

ADDITIONAL INFORMATION

Related Product Information for anti-CD19 antibody	Mouse anti Human CD19 antibody, clone LE-CD19 recognizes an epitope within the C-terminal cytoplasmic tail sequence of human CD19, a single pass type I transmembrane glycoprotein containing two C2 type Ig-like domains in the N-terminal extracellular region and four potential phosphorylation sites for tyrosine together with a single serine in the cytoplasmic region. Human CD19 is expressed on virtually all cells of the B-cell lineage with the exception of plasma cells and plays a regulatory role in B-cell differentiation and prliferation. B-cells are essential for antibody production and mutations in the CD19 gene can lead to an immunodeficiency syndrome, CVID3 characterized by hypogammaglobulinemia leading to recurrent infections and the inability to mount an antibody mediated response to immune insult. Although immunoglobulin production is impaired B-cell precursors appear in normal numbers together with some reduction in more mature B-cell forms (van Zelm et al. 2006). B-cells have also been implicated in the progression and pathogenesis of multiple sclerosis and are common components of both active and chronic MS lesions and well as the CSF (Ritchie et al. 2004) Mouse anti Human CD19 antibody, clone LE-CD19 has been successfully employed for the immunohistochemical demonstration of CD19 in formalin fixed, paraffin embedded tissues (Streeck, H. et al. 2011) and for the detection of CD19 in cell lysates by Western blotting.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296010921
NCBI GeneID	930
NCBI Accession #	NP_001171569.1
NCBI GenBank Nucleotide #	NM_001178098.1
UniProt Accession #	P15391; Q96S68; Q9BRD6; A0N0P9; F5H635
Molecular Weight	61,200 Da
NCBI Official Full Name	B-lymphocyte antigen CD19 isoform 1
NCBI Official Synonym Full Names	CD19 molecule
NCBI Official Symbol	CD19
NCBI Official Synonym Symbols	B4; CVID3
NCBI Protein Information	B-lymphocyte antigen CD19; B-lymphocyte surface antigen B4; T-cell surface antigen Leu-12; differentiation antigen CD19
UniProt Protein Name	B-lymphocyte antigen CD19
UniProt Gene Name	CD19

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd19-antibody-clone-le-cd19-western-blot-immunohistochemistry-immunoprecipitation-flow-cytometry-elisa/49376>