

CD19 recombinant antibody

Anti-CD19 Antibody, Mouse Monoclonal

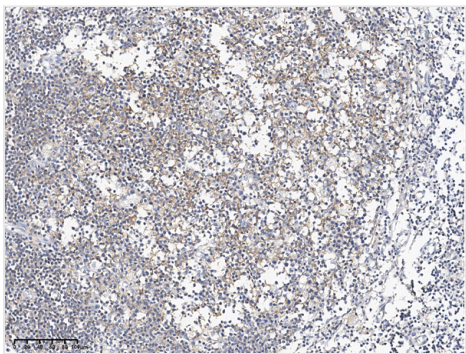
CATALOG # AAA259499	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

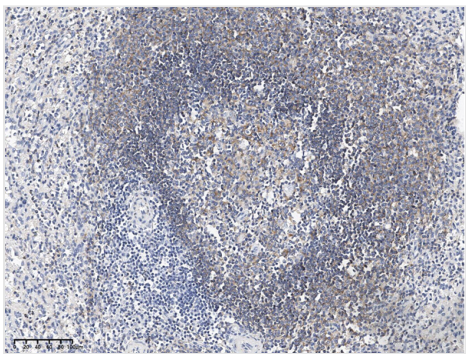
CD19; Monoclonal Recombinant Antibody; Anti-CD19 Antibody; Mouse Monoclonal; CD19 Antibody; Mouse MAb; CD19 molecule; Anti-B4 Antibody; Anti-CVID3 Antibody; CD19 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	054
Specificity	Human CD19
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for CD19 recombinant antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human CD19
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with a synthetic peptide corresponding to the N-terminus of the Human CD19. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



IHC (Immunohistochemistry)
Immunochemical staining of human cd19 in human tonsil with mouse monoclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human cd19 in human spleen with mouse monoclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for CD19 recombinant antibody	The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 19 (CD19) is a member of CD system. CD19 is a cell surface molecule that assembles with the antigen receptor of B-cells. This results in a descent in the threshold for antigen receptor-dependent stimulation. A simplified view holds that the ability of B-cells to respond to the various antigens in a specific and sensitive manner is achieved in the presence of low-affinity antigen receptors. CD19 primarily acts as a B-cell co-receptor in conjunction with CD21 and CD81. The formation of the receptor complex is induced by antigen and CD19, induced by exogenous antigen, has been found cytoplasmic tail phosphorylated and bind to slg.
Product Categories/Family for CD19 recombinant antibody	B Cell Receptor Signaling Pathway; Cancer Drug Targets
References	Zol. H. e. al. (2007). C. molecule. 2006-huma. cel. differentiatio. molecules. . Immuno. Methods. 31. (1-2). 1-5. H. IC. e. al. (2009). GATA. an. th. T-cel. lineage. essentia. function. befor. an. afte. T-helper-2-cel. differentiation. Na. Re. Immunol. . (2). 125-35. Matesanz-Isabe. J. e. al. (2011). Ne. B-cel. C. molecules. Immunolog. Letters.13. (2). 104-12. Carte. RH. e. al. (1992). CD19. lowerin. th. threshol. fo. antige. recepto. stimulatio. o. . lymphocytes. Science. 25. (5053). 105-7.

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.