

Basic Information

Product Name	Anti-CD19 Antibody (Clone#AOFO-3)	
Gene Name	CD19	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, IHC, ICC/IF, FCM	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human CD19	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	95 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunohistochemistry (IHC):	1:50-200
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	Flow Cytometry (FCM):	1:50

Storage

12 months from date of receipt, -20°C as supplied.

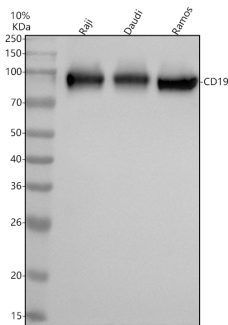
Background Information

B-lymphocyte antigen CD19, also known as CD19 (Cluster of Differentiation 19), is a protein that in humans is encoded by the CD19 gene. It is found on the surface of B-cells, a type of white blood cell. Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. The CD19 gene encodes a cell surface molecule that assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

Reference

Anti-CD19 Antibody (Clone#AOFO-3)被引用在1文献中。

Selected Validation Data



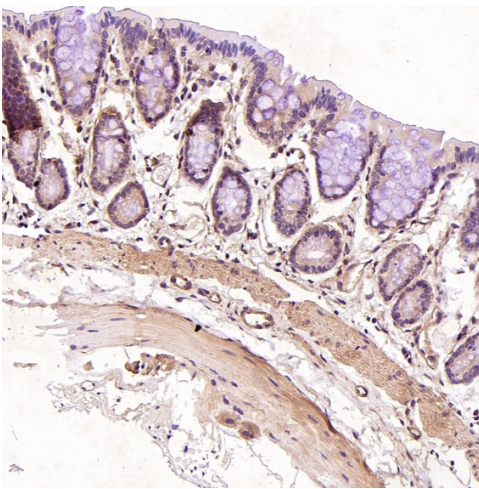
Western blot analysis of anti-CD19 antibody (BM4935). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Raji whole cell lysates,

Lane 2: human Daudi whole cell lysates,

Lane 3: human Ramos whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CD19 antigen affinity purified monoclonal antibody (BM4935) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CD19 at approximately 95 kDa. The expected band size for CD19 is at 61 kDa.



Immunohistochemical analysis of paraffin-embedded Rat stomach, using the Antibody.