

## Basic Information

Product Name	Anti-CD19 Antibody
Gene Name	CD19
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human CD19 recombinant protein (Position: P20-Y259).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	95 kDa
Dilution Ratios	Western blot (WB):1:500-2000 ELISA: 1:100-1000

## 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.

## Selected Validation Data

