

CD19 Antibody (RQ4156)

Catalog No.	Formulation	Size
RQ4156	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P15391
Localization	Cell surface, cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This CD19 antibody is available for research use only.



Western blot testing of 1) mouse spleen and 2) mouse thymus lysate with CD19 antibody at 0.5ug/ml. Expected molecular weight: 60~100 kDa depending on glycosylation level.

Description

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.

Application Notes

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

Immunogen

A recombinant human protein corresponding to amino acids P20-Y259 was used as the immunogen for the CD19 antibody.

Storage

After reconstitution, the CD19 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.