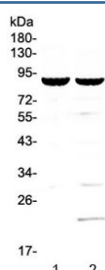


## CD19 Antibody (RQ4156)

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

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P15391
<b>Localization</b>	Cell surface, cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.