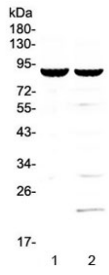
# CD19 Antibody (RQ4156)

| 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 |
| **Host** | Rabbit |
| **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<br>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.

Researchers studying B cell markers and immune cell signaling may also be interested in our CD19 Antibody / B Cell Marker Antibody page, featuring a Protein Microarray Validated recombinant monoclonal antibody for B lymphocyte detection and immunology research.

## 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.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