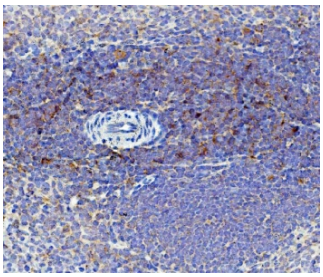
# Cd59 Antibody (RQ5803)

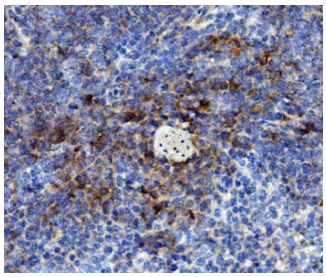
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5803 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | P27274 |
| **Localization** | Plasma membrane, cytoplasm |
| **Applications** | Immunohistochemistry: 1-2ug/ml |
| **Limitations** | This Cd59 antibody is available for research use only. |



IHC staining of FFPE rat spleen with Cd59 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse spleen with Cd59 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. And this protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. It also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene.

## Application Notes

Optimal dilution of the Cd59 antibody should be determined by the researcher.

## Immunogen

Amino acids KQVYQQCWRFSDCNAKFIL from the rat protein were used as the immunogen for the Cd59 antibody.

## Storage

After reconstitution, the Cd59 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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