

## Cd46 Antibody (R31841)

Catalog No.	Formulation	Size
R31841	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>	Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	O88174
<b>Applications</b>	Western Blot : 0.1-0.5ug/ml
<b>Limitations</b>	This Cd46 antibody is available for research use only.



Western blot testing of 1) mouse testis and 2) mouse NIH3T3 lysate with Cd46 antibody. Observed molecular weight: 41~70 kDa depending on glycosylation level.

## Description

CD46 complement regulatory protein, also known as CD46 (cluster of differentiation 46) and Membrane Cofactor Protein, is a protein which in humans is encoded by the CD46 gene. The protein encoded by this gene is a type I membrane protein and is a regulatory part of the complement system. And the encoded protein has cofactor activity for inactivation of complement components C3b and C4b by serum factor I, which protects the host cell from damage by complement. In addition, the encoded protein can act as a receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic *Neisseria*. Finally, the protein encoded by this gene may be involved in the fusion of the spermatozoa with the oocyte during fertilization. Mutations at this locus have been associated with susceptibility to hemolytic uremic syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.

## Application Notes

Optimal dilution of the Cd46 antibody should be determined by the researcher.

## Immunogen

Amino acids ELPRPFEAMELKGTPLFYAVGEKIEYKCKK of mouse Cd46 were used as the immunogen for the Cd46 antibody.

## Storage

After reconstitution, the Cd46 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.