

A Reliable Research Partner in Life Science and Medicine

# **Recombinant CD46 Monoclonal Antibody**

catalog number: AN300250P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

## **Description**

Reactivity Human

Immunogen Recombinant Human CD46 protein

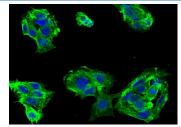
HostRabbitIsotypeIgGCloneB168PurificationProtein A

Buffer 0.2 µm filtered solution in PBS

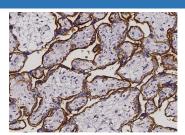
## Applications Recommended Dilution

**IHC-P** 1:100-1:500 **ICC/IF** 1:20-1:100

#### Data



Immunofluorescence analysis of CD46 in HepG2 cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human CD46 Monoclonal Antibody (1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI for nuclear staining (blue).



Immunohistochemistry of paraffin-embedded human placenta using CD46 Monoclonal Antibody at dilution of 1:200.

## **Preparation & Storage**

Storage This antibody can be stored at 2°C-8°C for one month without detectable loss of

activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping Ice bag

## **Background**

The protein encoded by this gene is a type I membrane protein and is a regulatory part of the complement system. 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.

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 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web: www.elabscience.com
 Email: techsupport@elabscience.com
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