

CD46 Antibody

Rabbit mAb Catalog # AP90174

Specification

CD46 Antibody - Product Information

Application WB, IHC, ICC Primary Accession P15529

Clonality
Other Names

MCP; MIC10; TLX; TRA2.10; CD46;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 43747 Da

CD46 Antibody - Additional Information

Dilution WB~~1:1000

IHC~~1:100~500

ICC~~N/A

Monoclonal

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

CD46

Description CD46 is a type I membrane protein and a

regulatory part of the complement system. This 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, CD46 can act as a

receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic Neisseria.

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide

and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

freeze / thaw cycle.

CD46 Antibody - Protein Information

Name CD46

Synonyms MCP, MIC10

Storage Condition and Buffer

Function

Acts as a cofactor for complement factor I, a serine protease which protects autologous cells against complement-mediated injury by cleaving C3b and C4b deposited on host tissue. May be





involved in the fusion of the spermatozoa with the oocyte during fertilization. Also acts as a costimulatory factor for T-cells which induces the differentiation of CD4+ into T-regulatory 1 cells. T-regulatory 1 cells suppress immune responses by secreting interleukin-10, and therefore are thought to prevent autoimmunity.

Cellular Location

Cytoplasmic vesicle, secretory vesicle, acrosome inner membrane; Single-pass type I membrane protein. Note=Inner acrosomal membrane of spermatozoa. Internalized upon binding of Measles virus, Herpesvirus 6 or Neisseria gonorrhoeae, which results in an increased susceptibility of infected cells to complement-mediated injury. In cancer cells or cells infected by Neisseria, shedding leads to a soluble peptide

Tissue Location

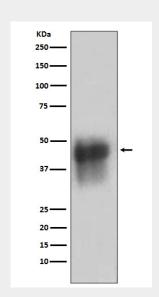
Expressed by all cells except erythrocytes.

CD46 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

CD46 Antibody - Images



Western blot analysis of CD46 in K562 cell lysate.