

**Anti-CD46 Antibody (clone 169-1-EA.3, Azide-free)**  
**Mouse Anti Human Monoclonal Antibody**  
**Catalog # ALS18121****Specification**

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**Anti-CD46 Antibody (clone 169-1-EA.3, Azide-free) - Product Information**

Application	WB, IHC-P, FC
Primary Accession	<a href="#">P15529</a>
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	43747

**Anti-CD46 Antibody (clone 169-1-EA.3, Azide-free) - Additional Information****Gene ID** 4179Alias Symbol **CD46****Other Names**

CD46, AHUS2, CD46 antigen, MCP, Measles virus receptor, TLX, MIC10, TRA2.10, Membrane cofactor protein

**Target/Specificity**

SCR1 epitope of CD46.

**Reconstitution & Storage**

Protein A purified

**Precautions**

Anti-CD46 Antibody (clone 169-1-EA.3, Azide-free) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-CD46 Antibody (clone 169-1-EA.3, Azide-free) - Protein Information****Name** CD46**Synonyms** MCP, MIC10**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.

**Anti-CD46 Antibody (clone 169-1-EA.3, Azide-free) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-CD46 Antibody (clone 169-1-EA.3, Azide-free) - Images**