

KD-Validated Anti-CD46 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1794

Product Information

Application	WB, FC
Primary Accession	P15529
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB5720
Calculated MW	43747
Gene Name	CD46
Aliases	CD46; CD46 Molecule; TLX; TRA2.10; MIC10; MCP; Membrane Cofactor Protein (CD46, Trophoblast-Lymphocyte Cross-Reactive Antigen); Antigen Identified By Monoclonal Antibody TRA-2-10; Trophoblast-Lymphocyte Cross-Reactive Antigen; CD46 Molecule, Complement Regulatory Protein; CD46 Antigen, Complement Regulatory Protein; Trophoblast Leukocyte Common Antigen; Membrane Cofactor Protein; MGC26544; Complement Membrane Cofactor Protein; Trophoblast Leucocyte Common Antigen; Measles Virus Receptor; CD46 Antigen; AHUS2
Immunogen	A synthesized peptide derived from human CD46

Additional Information

Gene ID	4179
Other Names	Membrane cofactor protein, TLX, Trophoblast leukocyte common antigen, CD46, CD46, MCP, MIC10

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.