Recombinant Membrane cofactor protein Antibody

Rabbit Monoclonal Antibody [Clone CD46/13993R]

Catalog No	Format	Size
4179-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4179-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4179-RBM4-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	CD46/13993R
Immunogen	Recombinant human CD46 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	43.75kDa
Cellular Localization	Acrosome inner membrane, Cytoplasmic vesicle, Secretory vesicle
Species Reactivity	Human
Positive Control	Expressed by all cells except erythrocytes

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Membrane cofactor protein Antibody

Specificity & Comments

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., (Microbial infection) A number of viral and bacterial pathogens seem to bind MCP in order to exploit its immune regulation property and directly induce an immunosuppressive phenotype in T-cells., (Microbial infection) Acts as a receptor for Adenovirus subgroup B2 and Ad3., (Microbial infection) Acts as a receptor for cultured Measles virus., (Microbial infection) Acts as a receptor for Herpesvirus 6/HHV-6., (Microbial infection) May act as a receptor for pathogenic bacteria Neisseria and Streptococcus pyogenes (PubMed:11260136, PubMed:11971006, PubMed:7708671, PubMed:9379894).

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.