

Product datasheet for **AM32953PU-N**

Cd46 Rat Monoclonal Antibody [Clone ID: MM10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MM10
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	Immuno Assays (Detector) Positive Control: Rat CD46 or Mouse CD46 variant as coating on a micro titer plate. Western blot (Researcher data). Flow Cytometry (Researcher data) Immunofluorescence (Researcher data). Immuno histochemistry on Frozen Sections (Researcher data). The typical starting working dilution is 1/50.
Reactivity:	Mouse, Rat
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Mouse CD46-human Fc fusion protein.
Specificity:	The monoclonal antibody MM10 recognizes membrane cofactor protein (MCP), also known as CD46.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	CD46 antigen, complement regulatory protein



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Database Link: [Entrez Gene 17221 Mouse](#)
[O88174](#)

Background: MCP is a type I membrane glycoprotein that consists of four isoforms i.e. two C-isoforms (51-58 kDa) and two BC isoforms (59-68 kDa) which arise by alternative splicing of a single CD46 gene. Membrane cofactor protein is expressed on every cell and tissue, with the exception of erythrocytes. Membrane cofactor protein serves to down-regulate the activation of complement on host tissue. MCP is a cofactor for factor 1-mediated cleavage of C3b and C4b and this way serves to protect the host cell against autologous attack. MCP is a receptor for several pathogens including measles virus, group A *Streptococcus pyogenes* and pathogenic *Neisseria*.

Synonyms: TLX, MIC10