

Product datasheet for **SM1819AF**

CD46 Mouse Monoclonal Antibody [Clone ID: MEM-258]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-258
Applications:	FC, IP, WB
Recommended Dilution:	Flow cytometry: 1 µg/ml. Immunoprecipitation. Western blot (Non-reducing conditions).
Reactivity:	Bovine, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	HPB-ALL human T cell line
Specificity:	This antibody recognizes an epitope on SCR4 (the membrane-proximal SCR) domain of CD46 (Membrane cofactor protein). CD46 is 56-66 kDa dimeric transmembrane protein expressed on T and B lymphocytes, platelets, monocytes, granulocytes, endothelial cells, epithelial cells and fibroblast; it is negative on erythrocytes.
Formulation:	Azide free phosphate buffered saline (PBS), approx. pH 7.4; 0.2 µm filter sterilized State: Azide Free State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein-A affinity chromatography (> 95% pure by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	CD46 molecule
Database Link:	Entrez Gene 4179 Human P15529



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Background:

CD46 (MCP, membrane cofactor protein) is a multifunctional cell surface transmembrane protein that binds and inactivates C3b and C4b complement fragments, regulates T cell-induced inflammatory responses by either inhibiting (CD46-1 isoform) or increasing (CD46-2 isoform) the contact hypersensitivity reaction. CD46 also serves as a receptor for several human pathogens (both bacteria and viruses), and its ligation alters T lymphocyte polarization toward antigen-presenting cells or target cells, inhibiting lymphocyte function. CD46 is a protector of placental tissue and is also expressed on the inner acrosomal membrane of spermatozoa.

Synonyms:

TLX, MIC10

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Complement and coagulation cascades

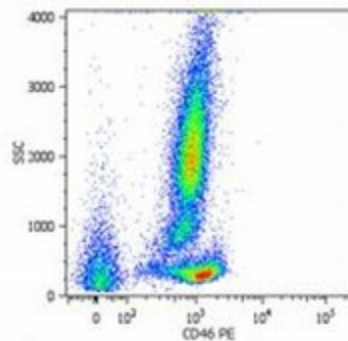
Product images:

Fig. 1. Flow Cytometry analysis

Surface staining of human peripheral blood cells with anti-CD46 (MEM-258) PE.