

## Product datasheet for **SM1819B**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-258
Applications:	FC
Recommended Dilution:	<b>Indirect immunofluorescence analysis by Flow cytometry: 1:1000.</b>
Reactivity:	Human, Bovine
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:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4 Label: Biotin State: Liquid purified Ig fraction Label: Conjugated with -LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2 - 8 °C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	CD46 molecule
Database Link:	<a href="#">Entrez Gene 4179 Human P15529</a>



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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:**

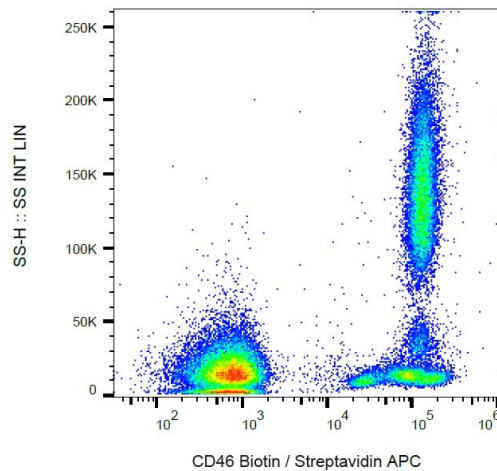
TLX, MIC10

**Protein Families:**

Druggable Genome, Transmembrane

**Protein Pathways:**

Complement and coagulation cascades

**Product images:**

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