

## anti-human CD46 no azide

The antibody MEM-258 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.

**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.

<b>Clone:</b>	MEM-258
<b>Isotype:</b>	Mouse IgG1
<b>Species Reactivity</b>	Human, bovine
<b>Physical state:</b>	Purified from ascites by protein-A affinity chromatography
<b>Purity:</b>	> 98% (by SDS-PAGE)
<b>Buffer:</b>	Sterile PBS (pH 7.4)
<b>Storage Instruction:</b>	Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.
<b>Application:</b>	Flow Cytometry, Immunoprecipitation, Western Blotting (non reducing conditions), functional application
<b>Reference:</b>	Liszewski MK and others: Springer Semin Immunopathol. 2005 Nov;27(3):345-58
<b>Quantity:</b>	0.1 mg
<b>Order N°:</b>	H12185NA

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