

## anti-human / -bovine CD46 no azide

monoclonal antibody MEM-258

Cat-No: **21270460**

100 µg in 100 µl

**Clone:** MEM-258

**Specificity:** 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.

**Species Reactivity:** Human, Bovine

**Isotype subclass:** Mouse IgG1

**Form:** Purified by protein-A affinity chromatography.

**Purity:** > 95% (by SDS-PAGE)

**Physical state:** Liquid

**Buffer/Additives/Preservative:** PBS (sterile solution); (pH 7.2)

**Expiration date:** The reagent is stable until the expiry date stated on the vial label.

**Storage conditions:** Aliquot and store at -20°C. Avoid freeze/thaw cycles.  
Should be handled under aseptic conditions.

**Application:** functional application

### References:

- Okada Nand others: Proc Natl Acad Sci U S A. 1995 Mar 28;92(7):2489-93
- \*Marie JC and others: Nat Immunol. 2002 Jul;3(7):659-66
- \*Gaggar A and others: Nat Med. 2003 Nov;9(11):1408-12.
- \*Liszewski MK and others: Springer Semin Immunopathol. 2005 Nov;27(3):345-58.
- \*Oliaro J and others: Proc Natl Acad Sci U S A. 2006 Dec 5;103(49):18685-90.

**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.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

**ImmunoTools** Excellent Quality - Advantageously priced

Gladiolenweg 2; 26169 Friesoythe; Germany  
phone:+49-(0)4491-400997, fax:+49-(0)4491-400998, info@immunotools.com  
www.immunotools.com