

Product datasheet for **SM1819AC**

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

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | MEM-258 |
| Applications: | FC |
| Recommended Dilution: | Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests. |
| 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) solution containing 15mM sodium azide Label: APC State: Liquid purified Ig fraction Label: Conjugated with cross-linked Allophycocyanin under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. |
| Conjugation: | APC |
| Storage: | Store the antibody at 2 - 8 °C. DO NOT FREEZE! This product is photosensitive and should be protected from light. |
| 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:

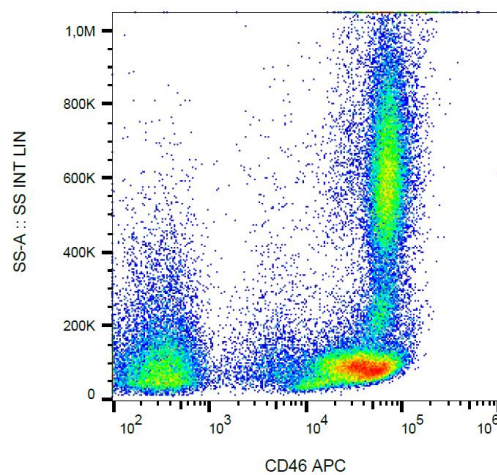
TLX, MIC10

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Complement and coagulation cascades

Product images:


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