

36-1420: Monoclonal Antibody to CD46 (Membrane Cofactor Protein)(Clone : 122.2)

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| Clonality : | Monoclonal |
| Clone Name : | 122.2 |
| Application : | Functional Assay,FACS,IF |
| Reactivity : | Human |
| Gene : | CD46 |
| Gene ID : | 4179 |
| Uniprot ID : | P15529 |
| Format : | Purified |
| Alternative Name : | CD46,MCP,MIC10 |
| Isotype : | Mouse IgG1, kappa |
| Immunogen Information : | Recombinant human CD46 protein |

Description

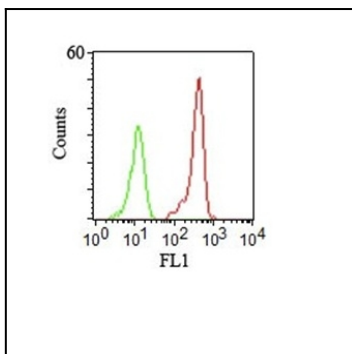
CD46 acts as a cofactor for complement factor I, a serine protease, which protects autologous cells against complement-mediated injury by cleaving C3b and C4b deposited on host tissue. It may be involved in the fusion of the spermatozoa with the oocyte during fertilization. CD46 acts as a co-stimulatory factor for T-cells, which induces the differentiation of CD4+ into T-regulatory 1 cells. T-regulatory 1 cells suppress immune responses by secreting interleukin-10, and therefore are thought to prevent autoimmunity. A number of viral and bacterial pathogens seem to exploit this property and directly induce an immunosuppressive phenotype in T-cells by binding to CD46.

Product Info

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| Amount : | 100 µg |
| Purification : | Affinity Chromatography |
| Content : | 100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Functional Studies (Order Ab without Azide);Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);



FCM staining of human PBMC's using CD46 Monoclonal Antibody (122.2).