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

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

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

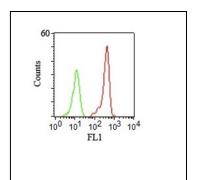
toxic.

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).