

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

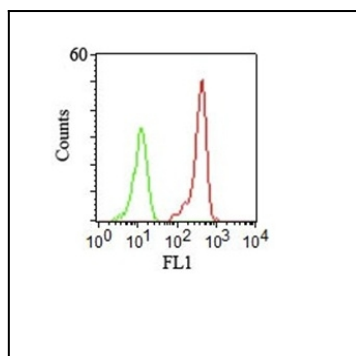
CD46 acts as a cofactor for complement factor I, a serine protease, which protects autologous cells against complement-mediated injury by cleaving C3b and C4b deposited on host tissue. It may be involved in the fusion of the spermatozoa with the oocyte during fertilization. CD46 acts as a co-stimulatory 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).