# **∗** abeomics

## 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

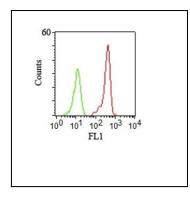
CD46 acts as a cofactor for complement factor I, a serine protease, which protects autologous cells against complementmediated injury by cleaving C3b and C4b deposited on host tissue. It may be involved in the fusion of the spermatozoa with the oocyte during fertilization. CD46 acts as a co-stimulatory 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 $\mu g$ in 500 $\mu l$ 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).