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Product datasheet for AM33360PU-S

CD46 Mouse Monoclonal Antibody [Clone ID: 122.2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	122.2
Applications:	FC, FN, IF, IHC, IP, WB
Recommended Dilution:	**Functional Assays (Neutralization):** Use Azide free Antibody. **Western Blot:** 0.5-1 µg/ml. **Flow Cytometry:** 0.5-1 µg/10^6 cells. **Immunoprecipitation:** 1-2 µg/500 µg protein lysate. **Immunofluorescence:** 1-2 µg/ml. **Immunohistochemistry on Frozen Sections:** 0.5-1 µg/ml for 30 minutes at RT. ***Recommended Positive Control:*** HeLa, K-562 or MOLT-4 cells, Kidney.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human CD46 protein.
Specificity:	This antibody recognizes Human CD46. Other Species not tested. ***Cellular Localization***: Cell surface.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	56-66 kDa

View online »

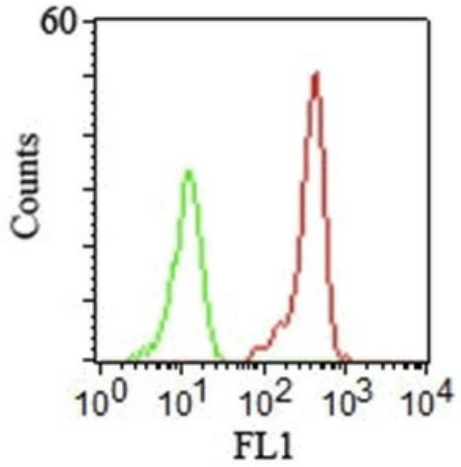
Gene Name: CD46 molecule

Database Link: Entrez Gene 4179 Human
P15529

Background: 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.

Synonyms: TLX, MIC10

Product images:



FCM staining of human PBMCs using CD46 Antibody (Clone 122.2).