CD46 (Membrane Cofactor Protein) Antibody

Mouse Monoclonal Antibody [Clone 122.2]

Catalog No	Format	Size
4179-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4179-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4179-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

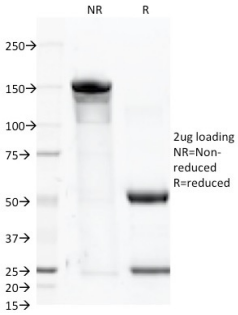
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

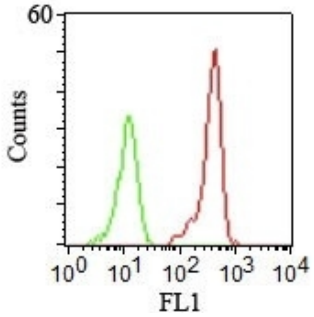
Clone	122.2
Gene Name	CD46
Immunogen	Recombinant human CD46 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	56-66kDa
Cellular Localization	Acrosome inner membrane, Cytoplasmic vesicle, Secretory vesicle
Species Reactivity	Human
Positive Control	HeLa, K-562 or MOLT-4 cells. Kidney.

**Optimal dilution for a specific application should be determined.*

Product Images for CD46 (Membrane Cofactor Protein) Antibody



SDS-PAGE Analysis of Purified CD46 Mouse Monoclonal Antibody (122.2). Confirmation of Integrity and Purity of Antibody



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

Specificity & Comments

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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Complement System, Endothelial Cell Marker, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.