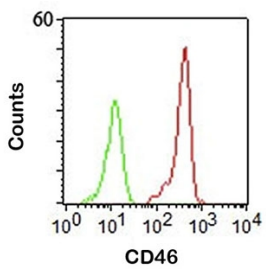
CD46 Antibody [clone 122.2] (V2190)

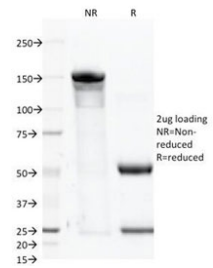
Catalog No.	Formulation	Size
V2190-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2190-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2190SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	122.2
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	4179
Localization	Cell surface
Applications	Functional studies (order BSA/sodium azide-free format) Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml
Limitations	This **CD46 antibody** is available for research use only.



FACS staining of human PBMC using CD46 antibody (clone 122.2).



SDS-PAGE Analysis of Purified, BSA-Free CD46 Antibody (clone 122.2). Confirmation of Integrity and Purity of the Antibody.

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.

For additional information on CD46 and its role in complement regulation, visit our CD46 Antibody / Membrane Cofactor Protein Antibody page.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD46 antibody to be titered up or down for optimal performance.

Immunogen

Recombinant human protein was used as the immunogen for this CD46 antibody.

Storage

Store the CD46 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

AHUS2; CD46 antigen complement regulatory protein; Complement membrane cofactor protein; MCP; Measles virus receptor; Membrane cofactor protein; MIC10; TLX; Trophoblast leucocyte common antigen, CD46 antibody

References (3)

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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