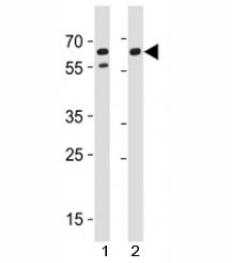
CD46 Antibody (F52371)

Catalog No.	Formulation	Size
F52371-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52371-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P15529
Applications	Western blot: 1:1000
Limitations	This CD46 antibody is available for research use only.



CD46 antibody western blot analysis with human 1) A549 and 2) HeLa cell lysate.

Description

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. May be involved in the fusion of the spermatozoa with the oocyte during fertilization. Also acts as a costimulatory 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

Titration of the CD46 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 330-361 from the human protein was used as the immunogen for this CD46 antibody.

Storage

Aliquot the CD46 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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