

Anti-CD46 Antibody (8C827)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8C827
Purification:	Protein A

Applications

Verified Activity:	<ol style="list-style-type: none">1. Profile of anti-CD46 reactivity on HeLa cells analyzed by flow cytometry.2. Immunofluorescence staining of Human CD46 in HeLa cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with Mouse anti-Human CD46 monoclonal antibody (1:60) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 594-conjugated Goat Anti-mouse IgG secondary antibody (red) and counterstained with DAPI (blue). Positive staining was localized to cell membrane.
Application:	FCM,ICC/IF
Recommended	ICC-IF: 1:20-1:100; FCM: 1:25-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human CD46 protein (TMPY-02023)
Antigen Species:	Human
Synonyms:	MIC10;AHUS2;TLX;CD46 molecule, complement regulatory protein;TRA2.10;MCP

Research Background

CD46, also known as Membrane Cofactor Protein (MCP), is a complement regulatory protein. CD46 is a type 1 membrane protein that plays an important inhibitory role in the complement system. CD46 is expressed in white blood cells, platelets, epithelial cells, and fibroblasts. Human CD46 shares 5% amino acid sequence identity with mouse and rat CD46. The importance of CD46 to complement regulation is underscored by the observation that genetic loss of CD46 leads to development of atypical hemolytic-uremic syndrome (aHUS), a disease characterized by uncontrolled complement activation. CD46 is implicated in the development and/or progression of selected cancer types.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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