

Datasheet for ABIN7193209
anti-CD46 antibody (AA 35-179)



[Go to Product page](#)

6 Images

Overview

Quantity:	100 µL
Target:	CD46
Binding Specificity:	AA 35-179
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD46 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunocytochemistry (ICC)

Product Details

Purpose:	CD46 Antibody
Immunogen:	Purified recombinant fragment of human CD46 (AA: 35-179) expressed in E. Coli.
Clone:	5A8C11
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	CD46
Alternative Name:	CD46 (CD46 Products)
Background:	Description:

Target Details

The protein encoded by this gene is a type I membrane protein and is a regulatory part of the complement system. The encoded protein has cofactor activity for inactivation of complement components C3b and C4b by serum factor I, which protects the host cell from damage by complement. In addition, the encoded protein can act as a receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic Neisseria. Finally, the protein encoded by this gene may be involved in the fusion of the spermatozoa with the oocyte during fertilization. Mutations at this locus have been associated with susceptibility to hemolytic uremic syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.

Aliases: MCP, TLX, AHUS2, MIC10, TRA2.10

Molecular Weight: 43.7kDa

Gene ID: 4179

UniProt: [P15529](#)

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

Application Notes: ELISA: 1/10000
FCM: 1/200 - 1/400
ICC: 1/100 - 1/500

Restrictions: For Research Use only

Handling

Format: Liquid

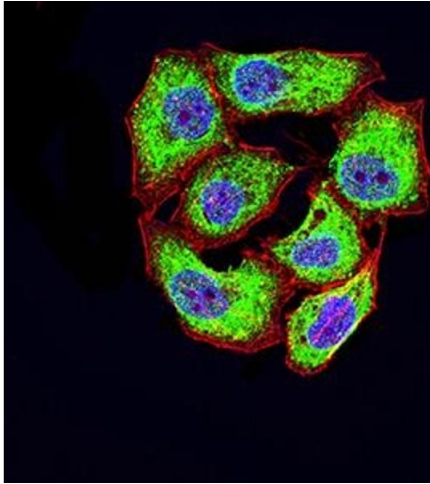
Buffer: Purified antibody in PBS with 0.05 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

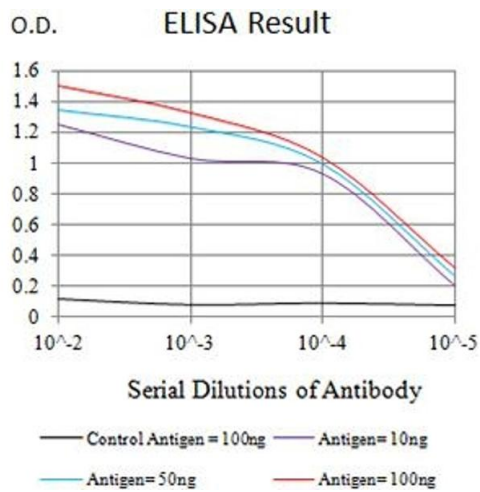
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.



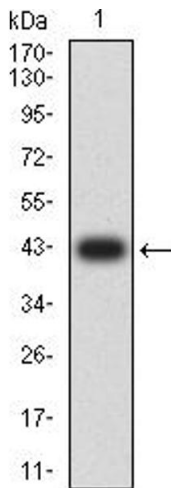
Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using CD46 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)



Western Blotting

Image 3. Western blot analysis using CD46 mAb against human CD46 (AA: extra 35-179) recombinant protein. (Expected MW is 42.4 kDa)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7193209.