

Datasheet for ABIN7092945
anti-CD46 antibody (AA 35-328)



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2 Images

Overview

Quantity:	100 µg
Target:	CD46
Binding Specificity:	AA 35-328
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This CD46 antibody is un-conjugated
Application:	Flow Cytometry (FACS), ELISA

Product Details

Immunogen:	Recombinant human CD46(Cys35-Asp328) (ABIN6964079) produced by using human HEK293 cells
Clone:	DM145
Isotype:	IgG
Purification:	Purified from cell culture supernatant by affinity chromatography

Target Details

Target:	CD46
Alternative Name:	CD46 (CD46 Products)
Background:	Synonyms:CD46,AHUS2,MCP,MIC10,TLX,TRA2.10

Target Details

Description: 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.

Molecular Weight: 43.7KDa

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

Application Details

Application Notes: ELISA 1/5000-10000, Flow Cyt 1/100

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization., 0.1 % Procline 300

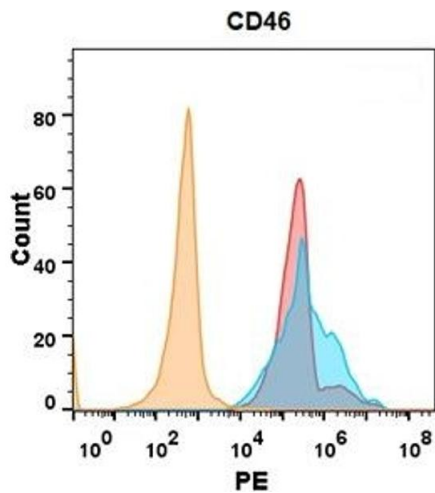
Preservative: ProClin

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

Storage: -20 °C, -80 °C

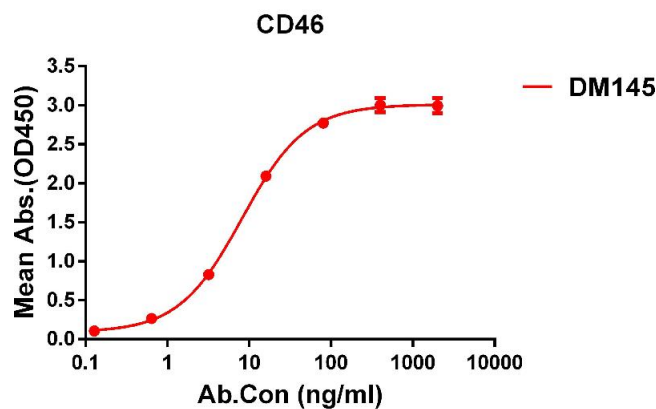
Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



Flow Cytometry

Image 1. CD46 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-CD46 (DM145) on Expi293 cells transfected with human CD46 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).



ELISA

Image 2. ELISA plate pre-coated by 1 μ g/mL (100 μ L/well) Human CD46 protein, His tagged protein ABIN6964079, ABIN7042413 and ABIN7042414 can bind Rabbit anti-CD46 monoclonal antibody (clone: DM145) in a linear range of 1-60 ng/mL.