

PRODUCT INFORMATION

Clone ID DM145 **CD46 Target**

CD46;AHUS2;MCP;MIC10;TLX;TRA2.10 **Synonyms**

Host Species Rabbit

Description Anti-CD46 antibody(DM145); Rabbit mAb

Delivery In Stock **Uniprot ID** P15529 IgG type Rabbit IgG Clonality Monoclonal Reactivity Human

Applications ELISA; Flow Cyt

Recommended

Background

ELISA 1:5000-10000; Flow Cyt 1:100 **Dilutions**

Purified from cell culture supernatant by affinity Purification

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation &

- 8% trehalose is added as protectants before Reconstitution lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

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

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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

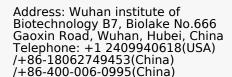
pili of pathogenic Neisseria. Finally; the protein encoded by this gene may be involved in the fusion of the spermatozoa with the oocyte during fertilization. Mutations at this locus have been associated with susceptibility to hemolytic uremic syndrome. Alternatively spliced transcript

variants encoding different isoforms have been

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described.

Usage Research use only Conjugate Unconjugated







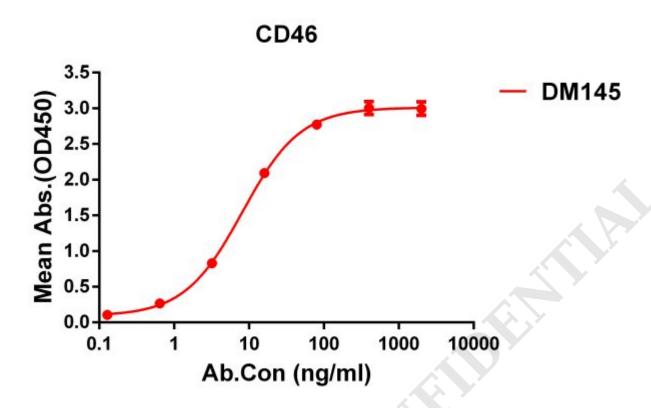


Figure 1. ELISA plate pre-coated by 1 μ g/ml (100 μ l/well) Human CD46 protein, His tagged protein ([getskuurl sku="PME100102"]) can bind Rabbit anti-CD46 monoclonal antibody(clone: DM145) in a linear range of 1-60 ng/ml.

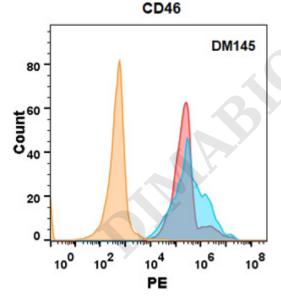


Figure 2. CD46 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-CD46 (DM145) on Expi293 cells transfected with human CD46 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram).

