

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 36-2757: Anti-CD46 (Membrane Cofactor Protein) Monoclonal Antibody(Clone: 169-1-E4.3)

Clonality: Monoclonal
Clone Name: 169-1-E4.3
Application: FACS,IF
Reactivity: Human
Gene: CD46
Gene ID: 4179
Uniprot ID: P15529

AHUS2; Complement membrane cofactor protein; MCP; Measles virus receptor; Membrane

Alternative Name: cofactor protein; MIC10; TLX; Trophoblast leucocyte common antigen; Trophoblast lymphocyte

cross reactive antigen

**Isotype:** Mouse IgG2a, kappa

Immunogen Information: Stimulated human leukocytes

## Description

Recognizes a protein of 52kDa-58kDa, identified as CD46 (also known as membrane cofactor protein, MCP). Its epitope is located on the four immunogenic short consensus repeat (SCR) domains at N-terminus of the protein. CD46 exists as many isoforms in a variety of tissues. It is strongly expressed on salivary gland ducts and kidney ducts, moderately on lymphocytes and endothelium, and weakly on interstitial tissues and muscle cells, but not on erythrocytes. CD46 functions as a C3b/C4b-binding glycoprotein that inhibits complement activation on host cells. It also serves as a measles virus receptor, an adherence factor for group Streptococcus pyogenes, and a cellular pilus receptor for pathogenic Neisseria.

## **Product Info**

**Amount :** 20 μg / 100 μg

Content: 200 µg/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA &

0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage condition:

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is

stable for 24 months. Non-hazardous.

## **Application Note**

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml);

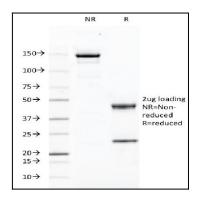


Fig. 1: SDS-PAGE Analysis Purified CD46 Mouse Monoclonal Antibody (169-1-E4.3). Confirmation of Integrity and Purity of Antibody