

Anti-CD46 Antibody (2T922)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 2T922 |
| Purification: | Protein A |

Applications

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| Verified Activity: | <p>1. Immunochemical staining of human CD46 in human placenta with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to membrane of trophoblast.</p> <p>2. Immunofluorescence staining of CD46 in HepG2 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human CD46 monoclonal antibody (1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).</p> |
| Application: | ELISA, ICC/IF, IHC-P |
| Recommended | ELISA: 1:5000-1:10000; IHC-P: 1:100-1:500; ICC-IF: 1:20-1:100 |

Properties

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| 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

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

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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