

Datasheet for ABIN7597359

CD46 Protein (CD46) (AA 45-327) (Fc Tag)



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Overview

Quantity:	10 µg
Target:	CD46
Protein Characteristics:	AA 45-327
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD46 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant mouse CD46 protein with C-terminal human Fc tag
Sequence:	Mouse CD46(Cys45-Asp327) hFc(Glu99-Ala330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CD46
Alternative Name:	CD46 (CD46 Products)
Background:	<p>Mcp</p> <p>Predicted to enable cadherin binding activity. Predicted to contribute to endopeptidase activity.</p> <p>Predicted to be involved in several processes, including positive regulation of T cell activation, regulation of gene expression, and regulation of signal transduction. Predicted to be located in</p>

Target Details

basolateral plasma membrane, cell surface, and inner acrosomal membrane. Predicted to be active in extracellular space and plasma membrane. Is expressed in testis. Used to study age related macular degeneration. Human ortholog(s) of this gene implicated in several diseases, including atypical hemolytic-uremic syndrome, hemolytic-uremic syndrome, meningococcal meningitis, multiple sclerosis, and pre-eclampsia. Orthologous to human CD46 (CD46 Molecule). [provided by Alliance of Genome Resources, Nov 2024]

Molecular Weight:	predicted molecular mass of 57.8 kDa after removal of the signal peptide. The apparent molecular mass of mCD46-hFc is 70-100 kDa due to glycosylation.
UniProt:	O88174
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: <ul style="list-style-type: none">• Immunogens for antibody drug development• Reagents used for CAR-T positive cell monitoring• Reagents for antibody screening and functional testing• Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
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