## PRODUCT INFORMATION

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| **Target** | CD46 |
| **Synonyms** | Mcp |
| **Description** | Recombinant mouse CD46 protein with C-terminal human Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | O88174 |
| **Expression Host** | HEK293 |
| **Tag** | C-Human Fc tag |
| **Molecular Characterization** | Mouse CD46(Cys45-Asp327) hFc(Glu99-Ala330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 57.8 kDa after removal of the signal peptide. The apparent molecular mass of mCD46-hFc is approximately 70-100 kDa due to glycosylation. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | 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. |
| **Background** | Predicted to enable cadherin binding activity. Predicted to contribute to endopeptidase activity. 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 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] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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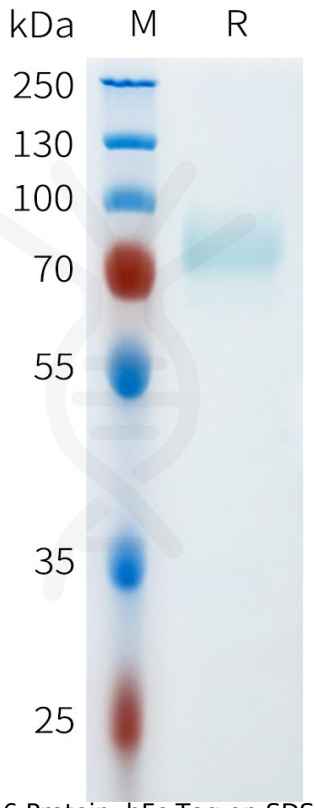



Figure 1. Mouse CD46 Protein, hFc Tag on SDS-PAGE under reducing condition.

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