PRODUCT INFORMATION

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

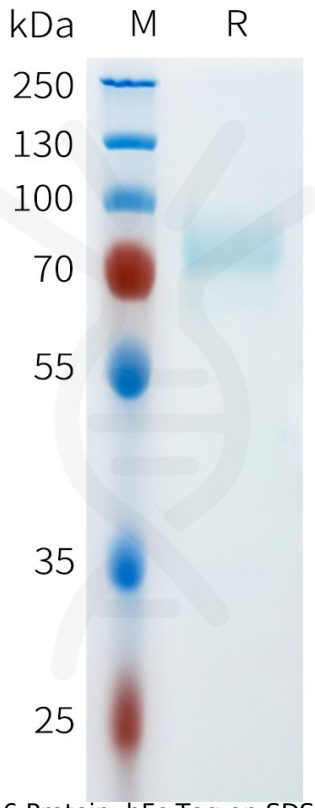

Figure 1. Mouse CD46 Protein, hFc Tag on SDS-PAGE under reducing condition.