Recombinant Mouse CD59a Protein, His-tagged

Cat. No. CD59a-899M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CD59a (NP_031680.2) (Met 1-Lys 95), without the pro peptide, was fused with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-95 a.a.
Predicted N Terminal	Leu 24
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The secreted recombinant mouse CD59a comprises 83 amino acids and has a calculated molecular mass of 9.7 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 18 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>92 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be

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	aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Cd59a CD59a antigen [Mus musculus]
Official Symbol	CD59a
Synonyms	Cd59; AA987121; protectin; CD59 antigen; MAC-IP; MAC-inhibitory protein; MACIF; membrane attack complex inhibition factor
Gene ID	12509
mRNA Refseq	NM_001111060
Protein Refseq	NP_001104530
MIM	
UniProt ID	O55186
Chromosome Location	2; 2 54.53 cM
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Hematopoietic cell lineage, conserved biosystem
Function	complement binding

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