

Recombinant Mouse CD59a Protein, Fc-tagged

Cat. No. CD59a-898M **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 the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
Protein Length	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/Fc is a disulfide-linked homodimer. The reduced monomer comprises 313 amino acids and has a calculated molecular mass of 35.4 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 42 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 -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. 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°C 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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