

## Recombinant Mouse CD83 Antigen (CD83), C-Fc

**Cat. No.:** AP2C790

**Product Type:** Animal Proteins

**Size:** 10 µg; 50 µg; 500 µg; 1 mg

### Product Overview

BioVenic's Recombinant Mouse CD83 Antigen (CD83), C-Fc is a recombinant protein expressed from Human Cells. Its predicted molecular weight is 21.3 kDa. The purity is >90%.

### Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	Human Cells
Purity	>90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	21.3 kDa
Physical State	Lyophilized
Formulation	0.01 mol/L PBS (pH 7.2) containing 0.2% (w/v) Procline-300.

### Target Information

Mouse CD83 Antigen, or CD83, is an antigen expressed on dendritic cells, involved in immune response regulation. In mouse models, CD83 is used to study dendritic cell maturation and immune response initiation. CD83 is upregulated upon dendritic cell activation and maturation, and its expression is associated with the ability of these cells to stimulate T cell responses. The molecule functions as a ligand for immune regulatory receptors and can modulate the interaction between dendritic cells and T cells. In cancer immunotherapy, CD83 has been explored as a target to enhance dendritic cell-based vaccines, as promoting CD83 expression may improve their antigen-presenting capacity and efficacy in stimulating antitumor immunity. Additionally, CD83 is involved in the regulation of immune tolerance, as its expression on certain dendritic cell subsets can promote the induction of regulatory T cells. Understanding the dual roles of CD83 in immune activation and tolerance has potential applications in developing therapies for infectious diseases, cancer, and autoimmune disorders.

Protein	Mouse CD83 Antigen (CD83)
Protein Synonym	mCD83
Gene ID	<a href="#">12522</a>

### Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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### User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.