



## CD83 Recombinant Protein

CATALOG NUMBER: 90-404

### Specifications

<b>SPECIES:</b>	Mouse
<b>SOURCE SPECIES:</b>	CHO cells
<b>SEQUENCE:</b>	The extracellular domain of mouse CD83 (aa 22-135) is fused to the N-terminus of the Fc region of mouse IgG2a.
<b>FUSION TAG:</b>	Fc Tag
<b>APPLICATIONS:</b>	This recombinant proteins is for research use only.
<b>BIOLOGICAL ACTIVITY:</b>	N/A

### Properties

<b>PURITY:</b>	>98% (SDS-PAGE)
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	Lyophilized from 0.2um-filtered solution in PBS.
<b>STORAGE CONDITIONS:</b>	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

### Additional Info

<b>ACCESSION NO.:</b>	NP_033986
<b>PROTEIN GI NO.:</b>	6753356

### Background

Mouse CD83 is a 30-35kDa member of the Siglec (or sialic-acid-binding immunoglobulin-like lectin) family of transmembrane proteins. CD83 is a primary marker for dendritic cells. It is also found on B cells, neutrophils, monocytes and macrophages. Except for dendritic cells, CD83 expression is often transient. CD83 binds to sialic acids on target cells. Membrane CD83 promotes T cell proliferation, particularly of CD8+ cytotoxic T cells. Soluble CD83 is immunosuppressive and blocks T cell activation. On monocytes, CD83 is suggested to drive monocytes into a fibrocyte phenotype. A lack of membrane-expressed CD83 leads to an unusual IL-4/ IL-10 producing CD4+ T cell phenotype.

**FOR RESEARCH USE ONLY**

December 14, 2016