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Datasheet for ABIN6253346  
**CD83 Protein (CD83) (AA 20-131) (Fc Tag)**

Overview

Quantity:	100 µg
Target:	CD83
Protein Characteristics:	AA 20-131
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD83 protein is labelled with Fc Tag.

Product Details

Purpose:	CD83 (human):Fc (human) (rec.) (non-lytic)
Specificity:	The extracellular domain of human CD83 (aa 20-131) is fused to the N-terminus of the Fc region of a mutant human IgG1.
Characteristics:	Protein. The extracellular domain of human CD83 (aa 20-131) is fused to the N-terminus of the Fc region of a mutant human IgG1. Source: CHO cells. Endotoxin content: <0.06EU/µg protein (LAL test, Lonza). Lyophilized from 0.2µm-filtered solution in PBS. Purity: >98 % (SDS-PAGE). Human CD83 is a 40-50 kDa 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

## Product Details

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unusual IL-4/ IL-10 producing CD4+ T cell phenotype.

Purity: >98 % (SDS-PAGE)

Endotoxin Level: <0.06EU/μg protein (LAL test, Lonza).

Biological Activity Comment: Shows the biological function of the CD83 moiety and exerts a prolonged circulating half-life caused by the modified Fc domain.

## Target Details

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Target: CD83

Alternative Name: CD83 ([CD83 Products](#))

Background: Product Description: Human CD83 is a 40-50 kDa 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.

NCBI Accession: [NP\\_004224](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Concentration: Lot specific

Buffer: Lyophilized from 0.2μm-filtered solution in PBS.

Handling Advice: Avoid freeze/thaw cycles.

Storage: 4 °C, -20 °C

Storage Comment: Short Term Storage: +4°C

Long Term Storage: -20°C

Use & Stability: 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.