

Datasheet for ABIN7566128

CD83 Protein (CD83) (AA 20-131) (Fc Tag)[Go to Product page](#)

Overview

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

Product Details

Purpose:	CD83 (human):Fc (human) (rec.) (non-lytic)
Cross-Reactivity:	Human
Characteristics:	The extracellular domain of human CD83 (aa 20-131) is fused to the N-terminus of the Fc region of a mutant human IgG1.
Purity:	>98 % (SDS-PAGE)
Sterility:	Sterile filtered
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

Target:	CD83
Alternative Name:	CD83 (CD83 Products)
Background:	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

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from 0.2µm-filtered solution in PBS.
Handling Advice:	Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.
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.