

Datasheet for ABIN7320187

**CD83 Protein (CD83) (AA 1-133) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	CD83
Protein Characteristics:	AA 1-133
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD83 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse CD83/HB15 Protein (aa 1-133, His Tag)
Sequence:	Met 1-Arg 133
Characteristics:	A DNA sequence encoding the extracellular domain of mouse CD83 (O88324) (Met 1-Arg 133) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

## Target Details

Target:	CD83
Alternative Name:	CD83/HB15 ( <a href="#">CD83 Products</a> )
Background:	Background: The cluster of differentiation (CD) system is commonly used as cell markers in

## Target Details

immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules which associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD83 is considered as a marker of mature dendritic cells as well as an adhesion receptor that binds to resting monocytes and a subset of activated CD8+ T cells. In certain conditions, CD83 tended to dimerize or even multimerize through its aberrant intermolecular disulfide bonds. The injection of CD83-Ig can significantly enhance the rate of tumor growth and inhibit the T cell growth.

Synonym: CD83 Antigen, hCD83, B-Cell Activation Protein, Cell Surface Protein HB15, CD83

Molecular Weight:	13.6 kDa
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UniProt:	<a href="#">O88324</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

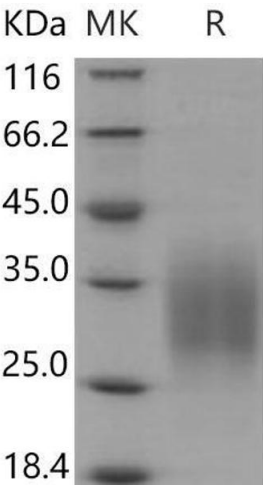
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, pH 7.4
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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Western Blotting

Image 1.