

Product Information

MemDX™ Antibody Discovery - Human CD83 (20-143) Membrane Protein, Partial, -His tag

Cat. No.: **MP1317F**

This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human CD83 (20-143). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

CD83

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 14.9 kDa. The protein migrates as 18 kDa and 22 kDa under reducing (R) condition (SDS-PAGE) due to different glycosylation.

Sequence

AA Thr 20 - Ala 143 (Accession # Q01151-1).

Product Description

Application

SDS-PAGE

Expression Systems

HEK293

Tag

His tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/µg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile coditions after reconstitution after storage at -80°C.

Target**Target Protein**

CD83

Full Name

CD83 molecule

Introduction

The protein encoded by this gene is a single-pass type I membrane protein and member of the immunoglobulin superfamily of receptors. The encoded protein may be involved in the regulation of antigen presentation. A soluble form of this protein can bind to dendritic cells and inhibit their maturation. Three transcript variants encoding different isoforms have been found for this gene.

Alternative Names

BL11; HB15; CD83 antigen; B-cell activation protein; CD83 antigen (activated B lymphocytes, immunoglobulin superfamily); cell surface protein HB15; cell-surface glycoprotein; hCD83

Gene ID

[9308](#)

UniProt ID

[Q01151](#)