Datasheet for ABIN7274252

CD83 Protein (CD83) (AA 20-143) (Fc Tag)

3 Images

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Overview

Quantity:	100 µg
Target:	CD83
Protein Characteristics:	AA 20-143
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD83 protein is labelled with Fc Tag.

Product Details

Purpose:	Human CD83 Protein
Sequence:	Thr20-Ala143
Characteristics:	Recombinant Human CD83 Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Thr20-Ala143.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human CD83, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-CD83 Antibody, hFc Tag with the EC50 21.3ng/ml determined by ELISA. See testing image for detail.

Target Details

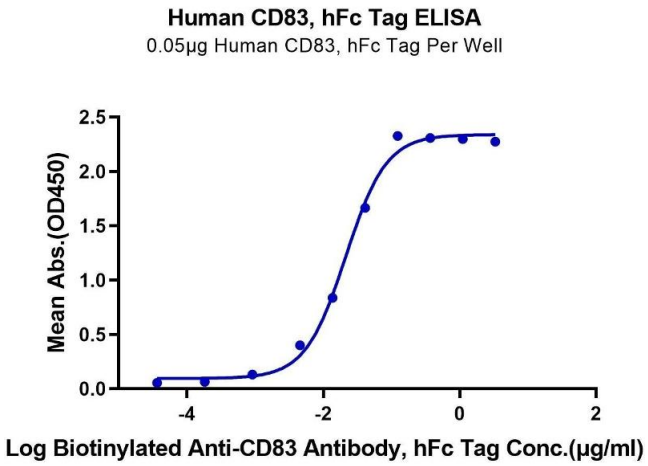
Target:	CD83
Alternative Name:	CD83 (CD83 Products)
Background:	CD83 is a member of the immunoglobulin (Ig) superfamily and is expressed in membrane bound or soluble forms. Membrane CD83 (mCD83) can be detected on a variety of activated immune cells, although it is most highly and stably expressed by mature dendritic cells (DC). While CD83 is emerging as a promising immune modulator with therapeutic potential, some important aspects such as its ligand/s, intracellular signaling pathways and modulators of its expression are unclear.
Molecular Weight:	40.8 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only

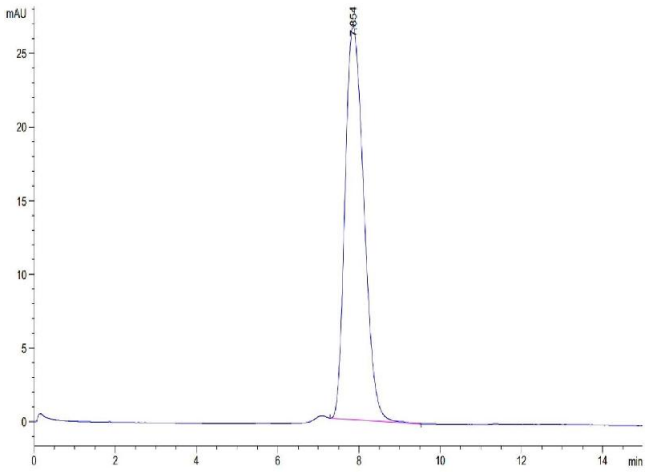
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



ELISA

Image 1. Immobilized Human CD83, hFc Tag at 0.5 μg/mL (100 μL/Well) on the plate. Dose response curve for Biotinylated Anti-CD83 Antibody, hFc Tag with the EC50 21.3 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human CD83 is greater than 95 % as determined by SEC-HPLC.

SDS-PAGE

Image 3. Human CD83 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .