



Recombinant Human CD83 (C-Fc)

Catalog #	EPT262
Expression Host	Human Cells
DESCRIPTION	Recombinant Human CD83 is produced by our Mammalian expression system and the target gene encoding Thr20-Ala143 is expressed with a Fc tag at the C-terminus.
Accession	Q01151
Synonyms	hCD83; B-cell activation protein; Cell surface protein HB15; CD_antigen
Mol Mass	41.2 KDa
AP Mol Mass	50-60 KDa, reducing conditions
Purity	Greater than 90% as determined by reducing SDS-PAGE.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
FORMULATION	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
RECONSTITUTION	Always centrifuge tubes before opening. Do not mix by





vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at $< -20^{\circ}\text{C}$, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at $4-7^{\circ}\text{C}$ for 2-7 days.

Aliquots of reconstituted samples are stable at $< -20^{\circ}\text{C}$ for 3 months.

BACKGROUND

CD83 antigen is a single-pass type I membrane protein which contains one Ig-like V-type (immunoglobulin-like) domain. CD83 is expressed by activated lymphocytes, Langerhans cells and interdigitating reticulum cells. It contains one Ig-like V-type (immunoglobulin-like) domain. , the soluble CD83 has the opposite effect and has an immune





inhibitory capacity. Due to its immune inhibitory function, CD83 may play a significant role in antigen presentation or the cellular interactions that follow lymphocyte activation.

SDS-PAGE

