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Datasheet for ABIN7519813 CD83 Protein (CD83) (His tag)

Overview

Quantity:	20 µg
Target:	CD83
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 Protein
Sequence:	MREVTVACSE TADLPCTAPW DPQLSYAVSW AKVSESGTES VEPESKQNS SFEAPRRRAY SLTIQNTTIC SSGTYRCALQ ELGGQRNLGS TVVLKVTGCP KEATESTFRK YRA
Specificity:	Met22-Ala134
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<1EU/µg

Target Details

Target:	CD83
Alternative Name:	CD83 (CD83 Products)
Background:	Description: Mouse CD83 is a 30-35 kDa member of the Siglec (or sialic-acid-binding

Target Details

immunoglobulin-like lectin) family of transmembrane proteins. 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.

Name: BL11, HB15, CD83

Gene ID: 12522

UniProt: [O88324](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of 20 mM tris, 200 mM NaCl, pH 8.0

Storage: -20 °C, -80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.