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Recombinant Mouse CD83 Protein

Catalog No.: RP01555 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	12522	O88324

Tags
C-His

Synonyms
BL11;HB15;CD83

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
<1EU/μg

Formulation
Lyophilized from a 0.22 μm filtered solution of 20 mM tris,200 mM Nacl,pH 8.0

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

Mouse CD83 is a 30-35 kDa member of the Siglec (or sialic-acid-binding 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 enhaunce the rate of tumor growth and inhibit the T cell growth.

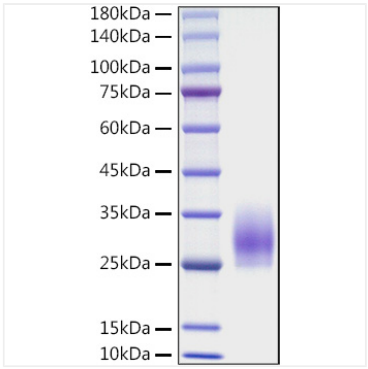
Basic Information

Description
Recombinant Mouse CD83 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met22-Ala134) of mouse CD83 (Accession #NP_033986.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse CD83 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 27-32kDa.