

RP00734

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Recombinant Mouse B7-2/CD86 Protein

Catalog No.: RP00734

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	12524	P42082

Tags

C-6×His

Synonyms

CD86;B7-2;B70;CD28LG2;LAB72;MGC34413;CD86;CD86;B7-2;B70;CD28LG2;LAB72;MGC34413;CD86

Product Information

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

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

T-lymphocyte activation antigen CD86 (B7-2) is a glycosylated protein in the B7 family. B7 family members are transmembrane cell surface molecules that play important roles in immune activation and the maintenance of immune tolerance. Mouse CD86 shares 59% and 81% aa sequence identity with human and rat CD86, respectively. It contains 1 Ig-like C2-type domain and 1 Ig-like V-type domain. It is highly expressed on activated antigen presenting cells. CD86 involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. It may play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation. It is expressed by activated B-lymphocytes and monocytes and promoted by MARCH8 and results in endocytosis and lysosomal degradation.

Basic Information

Description

Recombinant Mouse B7-2/CD86 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Val24-Lys244) of mouse B7-2/CD86 (Accession #P42082) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

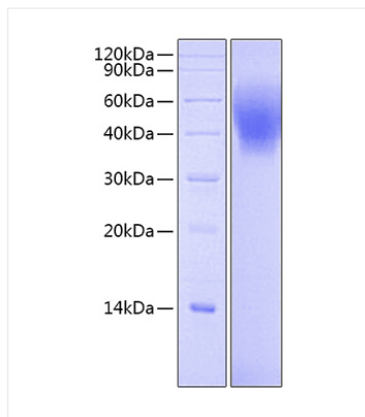
Store the lyophilized protein at -20 °C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse B7-2/CD86 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.