

RP00686

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Recombinant Mouse B7-2/CD86 Protein

Catalog No.: RP00686

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	12524	P42082

Tags

C-Fc

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, pH 7.4. 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 immunotolerance. 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 (Val26-Glu245) of mouse B7-2/CD86 (Accession #P42082) fused with an Fc tag at the C-terminus.

Bio-Activity

Storage

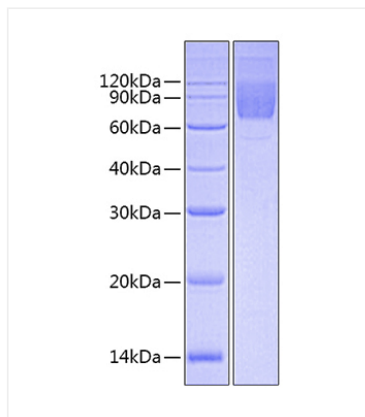
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



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