

RP00740

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Recombinant Mouse B7-1/CD80 Protein

Catalog No.: RP00740 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	12519	Q00609

Tags

C-6×His

Synonyms

B7;B7-1;B7.1;BB1;CD28LG;CD28LG1;LA
B7;CD80;B7;B7-1;B7.1;BB1;CD28LG;CD2
8LG1;LAB7;CD80

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

Cluster of Differentiation 80, also called B7-1, is a member of cell surface immunoglobulin superfamily which plays key, yet distinct roles in the activation of T cells. Mouse CD80 consists of an extracellular domain (ECD) with two immunoglobulin-like domains, transmembrane segment, and cytoplasmic domain. B7-1/CD80 and B7-2/CD86, together with their receptors CD28 and CTLA4, constitute one of the dominant co-stimulatory pathways that regulate T- and B- cell responses. CD80 is mostly expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells. Although both CTLA-4 and CD28 can bind to the same ligands, CTLA-4 binds to B7-1 and B7-2 with a 20-100 fold higher affinity than CD28 and is involved in the down-regulation of the immune response.

Basic Information

Description

Recombinant Mouse B7-1/CD80 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Val38-Asn246) of mouse B7-1/CD80 (Accession #Q00609) 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.

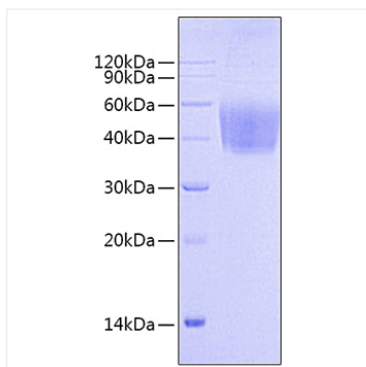
Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse B7-1/CD80 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.