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Recombinant Rabbit B7-1/CD80 Protein

Catalog No.: RP00742   **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Rabbit	100009377	P42070

Tags
C-6×His

Synonyms
T-lymphocyte activation antigen CD80;
Activation B7-1 antigen; B7; 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 whichplays key, yet distinct roles in the activation of T cells. B7-1/CD80 and B7-2/CD86, together with their receptorsCD28 and CTLA4, constitute one of the dominant co-stimulatory pathways that regulate T- and B-cellresponses. 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 bindsto B7-1 and B7-2 with a 20-100 fold higher affinity than CD28 and is involved in the down-regulation of theimmune response.

Basic Information

Description
Recombinant Rabbit B7-1/CD80 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Gly33-Gln241) of rabbit B7-1/CD80 (Accession #P42070) 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.
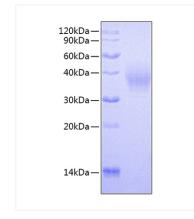
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Validation Data

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