Mouse B7-1/CD80 Protein

Cat. No. B71-MM180

Description

Source	Recombinant Mouse B7-1/CD80 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Val38-Asn246.
Accession	Q00609-1
Molecular Weight	The protein has a predicted MW of 24.6 kDa. Due to glycosylation, the protein migrates to 48-55 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

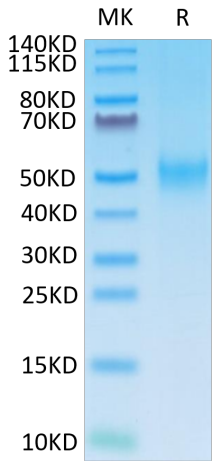
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Cluster of differentiation 80 (also CD80 and B7-1) is a protein found on dendritic cells, activated B cells and monocytes that provides a costimulatory signal necessary for T cell activation and survival. It is the ligand for two different proteins on the T cell surface: CD28 and CTLA-4.

Assay Data

Tris-Bis PAGE



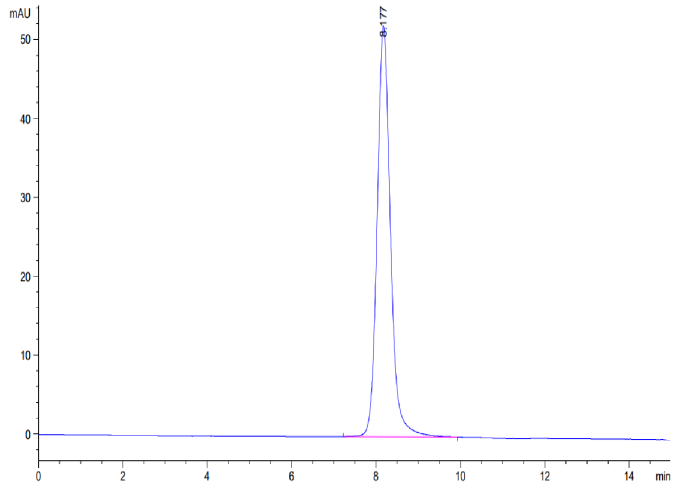
Mouse B7-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Mouse B7-1/CD80 Protein

Cat. No. B71-MM180

Assay Data



The purity of Mouse B7-1 is greater than 95% as determined by SEC-HPLC.