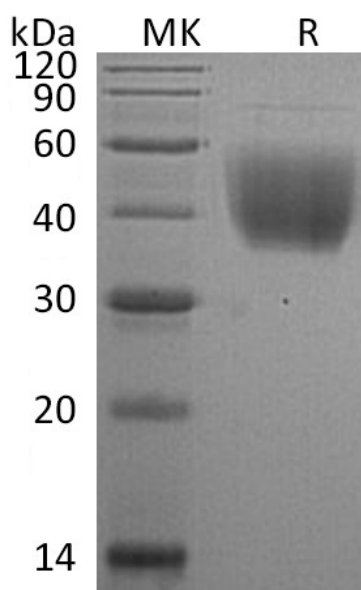


Summary

Name	B7-1/CD80/T-lymphocyte activation antigen CD80
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Rat T-lymphocyte Activation Antigen CD81 is produced by our Mammalian expression system and the target gene encoding V1a30-Gln248 is expressed with a 6His tag at the C-terminus.
Accession #	O35187
Host	Human Cells
Species	Rat
Predicted Molecular Mass	25.7 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 6% Trehalose, 4% Mannitol, 0.05% Tween 80, pH7.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

Product Name: Recombinant Rat B7-1 (C-6His)
Catalog #: PHR1663



Alternative Names

T-lymphocyte activation antigen CD80; Activation B7-1 antigen; B7; CD80

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. 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.

Note

For Research Use Only , Not for Diagnostic Use.