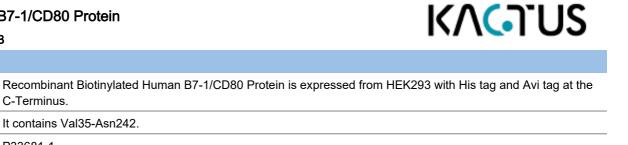
Biotinylated Human B7-1/CD80 Protein

Cat. No. B71-HM480B

Description

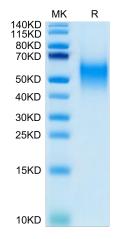
Source



	It contains Val35-Asn242.
Accession	P33681-1
Molecular Weight	The protein has a predicted MW of 26.8 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris 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 receipt80°C for 3 months 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.

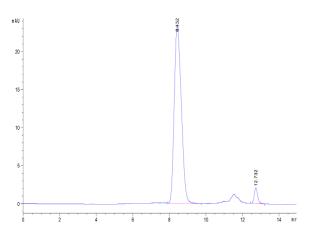
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

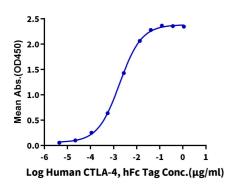
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Assay Data

ELISA Data

Biotinylated Human B7-1, His Tag ELISA 0.05µg Biotinylated Human B7-1, His Tag Per Well



Immobilized Biotinylated Human B7-1, His Tag at 0.5μ g/ml (100 μ I/Well) on streptavidin (5μ g/ml) precoated plate. Dose response curve for Human CTLA-4, hFc Tag with the EC50 of 1.8ng/ml determined by ELISA.

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