Human CD28H/IGPR-1 Protein, Ultra Low Endotoxin

Cat. No. CD8-HM18H-UL

Description

Source	Recombinant Human CD28H/IGPR-1 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Leu23-Gly150.
Accession	Q96BF3-1
Molecular Weight	The protein has a predicted MW of 15.1 kDa. Due to glycosylation, the protein migrates to 42-52 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

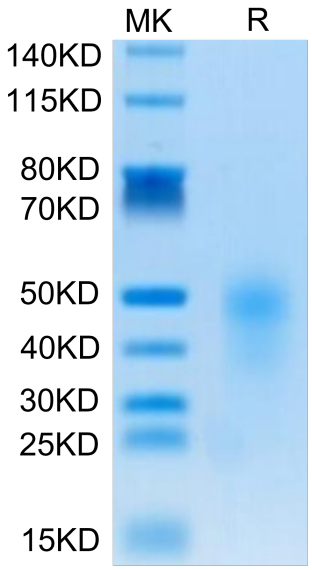
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD28H is constitutively expressed on all naive T cells. Repetitive antigenic exposure, however, induces a complete loss of CD28H on many T cells, and CD28H negative T cells have a phenotype of terminal differentiation and senescence. After extensive screening in a receptor array, a B7-like molecule, B7 homologue 5 (B7-H5), was identified as a specific ligand for CD28H.

Assay Data

Bis-Tris PAGE



Human CD28H on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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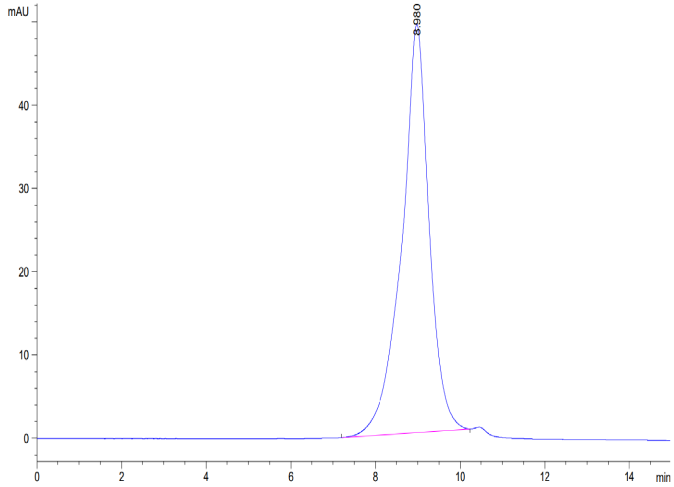
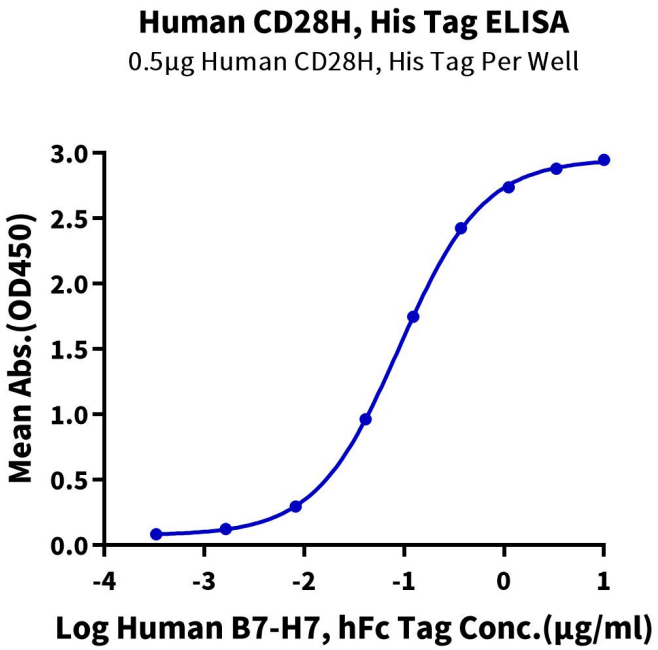
Assay Data



The purity of Human CD28H is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human CD28H, His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Human B7-H7, hFc Tag with the EC50 of 90.0ng/ml determined by ELISA.