Human 4-1BB Ligand/TNFSF9 Trimer Protein

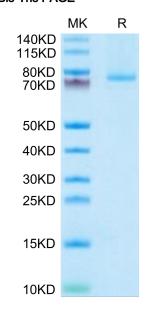
Cat. No. BBL-HM241



Description	
Source	Recombinant Human 4-1BB Ligand/TNFSF9 Trimer Protein is expressed from HEK293 with monomeric hFc tag at the N-Terminus.
	It contains Arg71-Glu254.
Accession	P41273
Molecular Weight	The protein has a predicted MW of 84.3 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
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	
	The 4-1BBL is the high affinity ligand of 4-1BB, also known as CD137L or TNFSF9. 4-1BB ligand (4-1BBL) is an inducible molecule present on several APC types, including B cells, macrophages and DCs.4-1BB:4-1BBL pathway seems to amplify the existing costimulatory signals, even if the engagement of 4-1BB in the presence of a strong TCR signaling can induce IL-2 production in a CD28-independent manner.

Assay Data

Bis-Tris PAGE

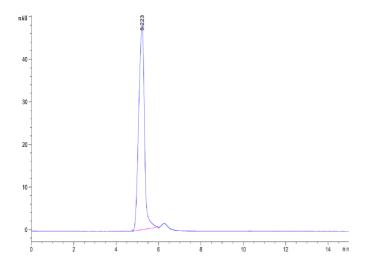


Human 4-1BB Ligand (Trimer) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

KAGTUS

Assay Data

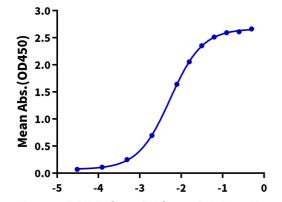


The purity of Human 4-1BB Ligand (Trimer) is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human 4-1BB Ligand Trimer, hFc Tag ELISA

 $0.1 \mu g$ Human 4-1BB, His Tag Per Well



Log Human 4-1BB Ligand Trimer, hFc Tag Conc.(μg/ml)

Immobilized Human 4-1BB, His Tag at $1\mu g/ml$ (100 $\mu l/Well$) on the plate. Dose response curve for Human 4-1BB Ligand Trimer, hFc Tag with the EC50 of 5.4ng/ml determined by ELISA (QC Test).