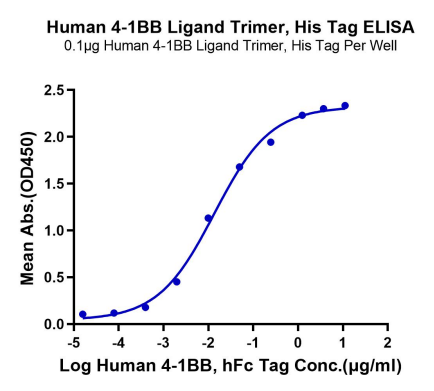
Bioactive HuPro®

TNFSF9 (Human) Recombinant Protein

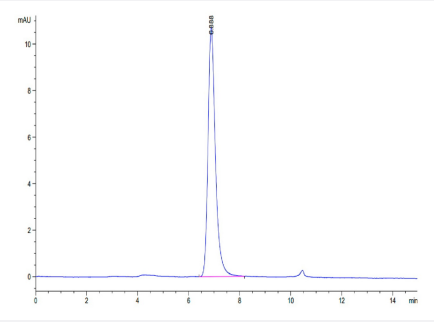
Catalog # P10164 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

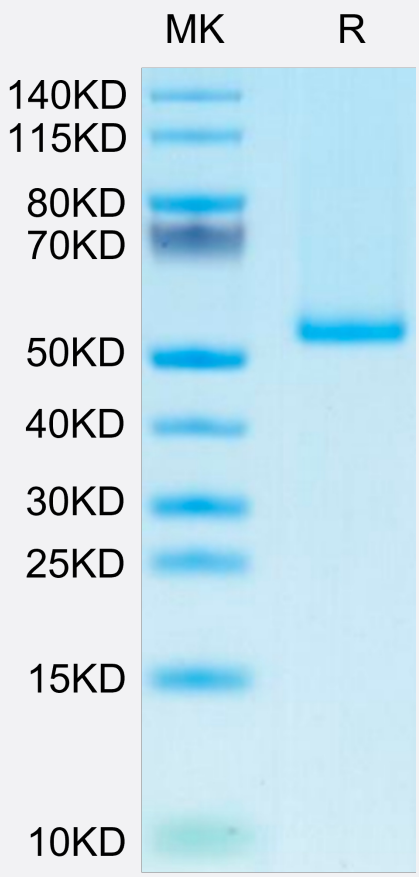
Immobilized Human 4-1BB Ligand Trimer, His Tag at 1 ug/ml (100 ul/Well) on the plate. Dose response curve for Human 4-1BB, hFc Tag with the EC_{50} of 13.7 ng/ml determined by ELISA.



SEC-HPLC

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.



Tris-Bis PAGE

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

Specification

Product Description	Human TNFSF9 (P41273, Arg71-Glu254) partial recombinant protein with His tag at N-terminus expr essed in HEK293 cells.
Sequence	Arg71-Glu254
Host	Human
Theoretical MW (kDa)	61.8
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Quality Control Testing	SEC-HPLC SEC-HPLC The purity of-Human 4-1BB Ligand Trimer is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human 4-1BB Ligand Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 9 5%.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Recommend Usage	Biological Activity ELISA SEC-HPLC Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from filtered solution in PBS, pH 7.4 (5% trehalose).
Storage Instruction	After reconstitution with deionized water to a final concentration more than 100 ug/ml, store at 4°C for 1 week. For long term storage, store at -80°C for 1 year. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human 4-1BB Ligand Trimer, His Tag at 1 ug/ml (100 ul/Well) on the plate. Dose response curve for Human 4-1BB, hFc Tag with the EC_{50} of 13.7 ng/ml determined by ELISA.

Gene Info — TNFSF9

Entrez GeneID	8744
Protein Accession#	P41273
Gene Name	TNFSF9
Gene Alias	4-1BB-L, CD137L
Gene Description	tumor necrosis factor (ligand) superfamily, member 9
Omim ID	606182
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) lig and family. This transmembrane cytokine is a bidirectional signal transducer that acts as a ligand for TNFRSF9/4-1BB, which is a costimulatory receptor molecule in T lymphocytes. This cytokine a nd its receptor are involved in the antigen presentation process and in the generation of cytotoxic T cells. The receptor TNFRSF9/4-1BB is absent from resting T lymphocytes but rapidly expresse d upon antigenic stimulation. The ligand encoded by this gene, TNFSF9/4-1BBL, has been shown to reactivate anergic T lymphocytes in addition to promoting T lymphocyte proliferation. This cytok ine has also been shown to be required for the optimal CD8 responses in CD8 T cells. This cytoki ne is expressed in carcinoma cell lines, and is thought to be involved in T cell-tumor cell interactio n

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Other Designations	homolog of mouse 4-1BB-L|receptor 4-1BB ligand

Pathway

- Cytokine-cytokine receptor interaction

Disease

- Birth Weight
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hematologic Diseases
- Hodgkin Disease
- Leukemia
- Lymphoproliferative Disorders
- Meningeal Neoplasms
- Meningioma
- Multiple Myeloma
- Occupational Diseases
- Ovarian Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.