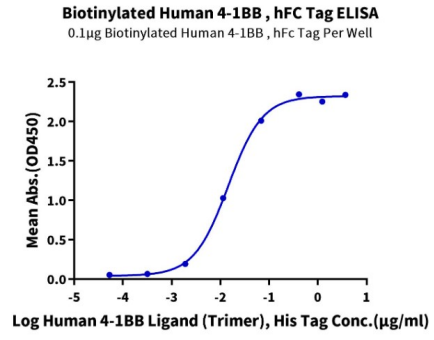
Bioactive CellTx™ HuPro®

TNFRSF9 (Human) Recombinant Protein (Biotin)

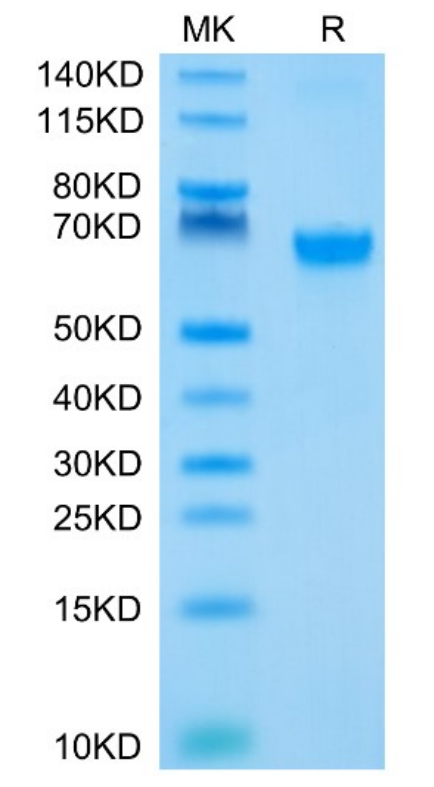
Catalog # P10352 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

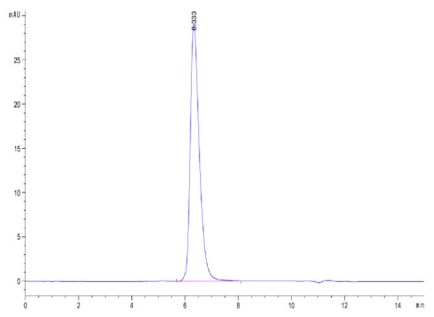
Immobilized Biotinylated Human 4-1BB, hFc Tag at 1 ug/mL (100 uL/well) on the streptavidin precoated plate (5 ug/mL). Dose response curve for Human 4-1BB Ligand (Trimer) , His Tag with the EC_{50} of 14.5 ng/mL determined by ELISA.



Tris-Bis PAGE

Biotinylated HumanTNFRSF9 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

Copyright © 2023 Abnova Corporation. All Rights Reserved.



SEC-HPLC

The purity of Biotinylated Human TNFRSF9 is greater than 95% as determined by SEC-HPLC.

Specification

Product Description	Human TNFRSF9 (QQ07011, Leu24-Gln186) partial recombinant protein with hFc-Avi tag at the C-Terminus expressed in HEK293 cells.
Sequence	Leu24-Gln186
Host	Human
Theoretical MW (kDa)	45.7
Reactivity	Human
Form	Lyophilized
Conjugation	Biotin
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by Tris-Bis PAGE > 95% by HPLC
Endotoxin Level	< 0.1 EU per 1 ug as determined by the LAL method.
Activity	The EC_{50} was 14.5 ng/mL, measured by ELISA at 1 ug/mL.
Recommend Usage	Biological Activity ELISA Tris-Bis PAGE SEC-HPLC The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.22 um filtered solution in PBS, pH 7.4. (8% trehalose).
Storage Instruction	Store at -20°C for 12 months. After reconstitution, store at 4°C for 2-7 days, or store at -80°C for 3-6 months. Aliquot to avoid repeated freezing and thawing.
Note	Please use within one month after protein reconstitution.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Applications

- Functional Study

- Enzyme-linked Immunoabsorbent Assay

  Immobilized Biotinylated Human 4-1BB, hFc Tag at 1 ug/mL (100 uL/well) on the streptavidin precoated plate (5 ug/mL). Dose response curve for Human 4-1BB Ligand (Trimer) , His Tag with the EC_{50} of 14.5 ng/mL determined by ELISA.

Gene Info — TNFRSF9

Entrez GeneID	3604
Protein Accession#	Q07011
Gene Name	TNFRSF9
Gene Alias	4-1BB, CD137, CDw137, ILA, MGC2172
Gene Description	tumor necrosis factor receptor superfamily, member 9
Omim ID	602250
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor co ntributes to the clonal expansion, survival, and development of T cells. It can also induce proliferati on in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this rece ptor and transduce the signals leading to activation of NF-kappaB. [provided by RefSeq
Other Designations	4-1BB ligand receptor|CD137 antigen|OTTHUMP00000001360|OTTHUMP00000044294|T cell a ntigen ILA|homolog of mouse 4-1BB|induced by lymphocyte activation (ILA)|interleukin-activated r eceptor, homolog of mouse Ly63|receptor protein 4-1BB

Pathway

- Cytokine-cytokine receptor interaction

Disease

- Asthma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hodgkin Disease
- Lymphoproliferative Disorders
- Multiple Myeloma
- Occupational Diseases
- Waldenstrom Macroglobulinemia
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.