



Recombinant Mouse 4-1BB Fc-Fusion Protein

Cat No: Pr00233-1.9

Product Summary

Description: Recombinant mouse 4-1BB Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

Protein: Mouse 4-1BB

Fc domain: Mouse IgG1

Structure / Form: Disulfide-linked homodimer

Species: Mouse

Construct Design Note(s): The extracellular domain of 4-1BB has been fused to the Fc domain of mouse IgG1.

Host: HEK293

UniProt Accession Number: P20334

Alternative Description: Tumor necrosis factor receptor superfamily member 9; 4-1BB ligand receptor; T-cell antigen 4-1BB; CD137; 4-1BB-Ig; 4-1BB-Fc chimera; 4-1BB (Fc tag)

Published Application(s):

Tested Applications(s): ELISA

Activity: Receptor for TNFSF9/4-1BBL. Possibly active during T cell activation [Uniprot].

Product Form

Purification: IMAC purified

Supplied in: 0.1 mg size: PBS with preservative (0.02% Proclin 300), 1 mg size: PBS only.

Endotoxin: <1.0 EU/mg

Shipping: The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

Storage Recommendation: Store at 4°C for up to 1 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

SDS PAGE Purity: >95%, as determined by SDS-PAGE and visualized by Coomassie Brilliant Blue.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals

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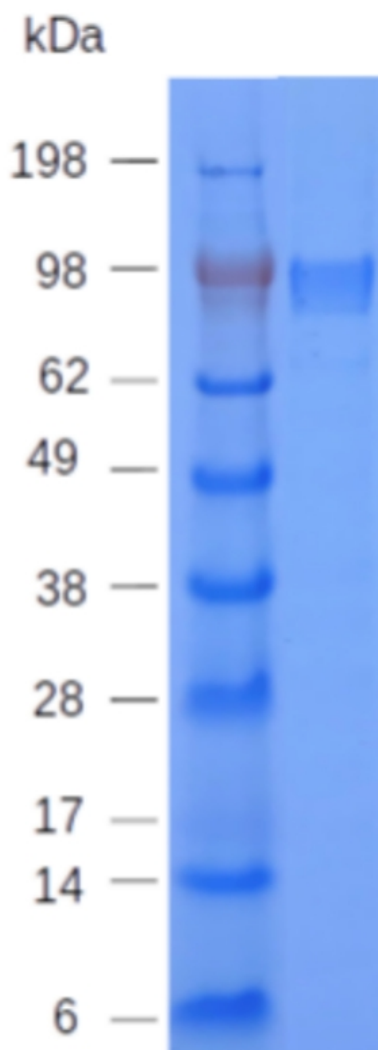
Fc-Fusion Sequence (monomer)

QNSCDNCQPGTFCRKYNPVCKSCPPSTFSSIGGQPNCNICRV CAGYFRFKKFCSTHNAECECIEGFHCLGPQCTRC
EKDCRPGQELTKQGCKTCSLGT FNDQNGTGVC RPWTNCSLDGRSVLKTGTTEKDVVCGPPVVSFSPSTTISVTPEGG
PGGHS LQVLTGGGGSVPRDQGCKPCICTVPEVSSVFIFPPKPKDVL TITLTPKVTCVVVDISKDDPEVQFSWFVDDVEV
HTAQT KPREEQINSTFRSVSELPIMHQDWLNGKEFKCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKV
SLTCMITNFFPEDITVEWQWNGQPAENYKNTQPIMDTDGSYFVYSKLVQKSNWEAGNTFTCSVLHEGLHNNHTEKS
LSHSPGKHHHHHH

Underlined amino acids sequence include a G4S linker and 6xHis epitope tag, respectively.

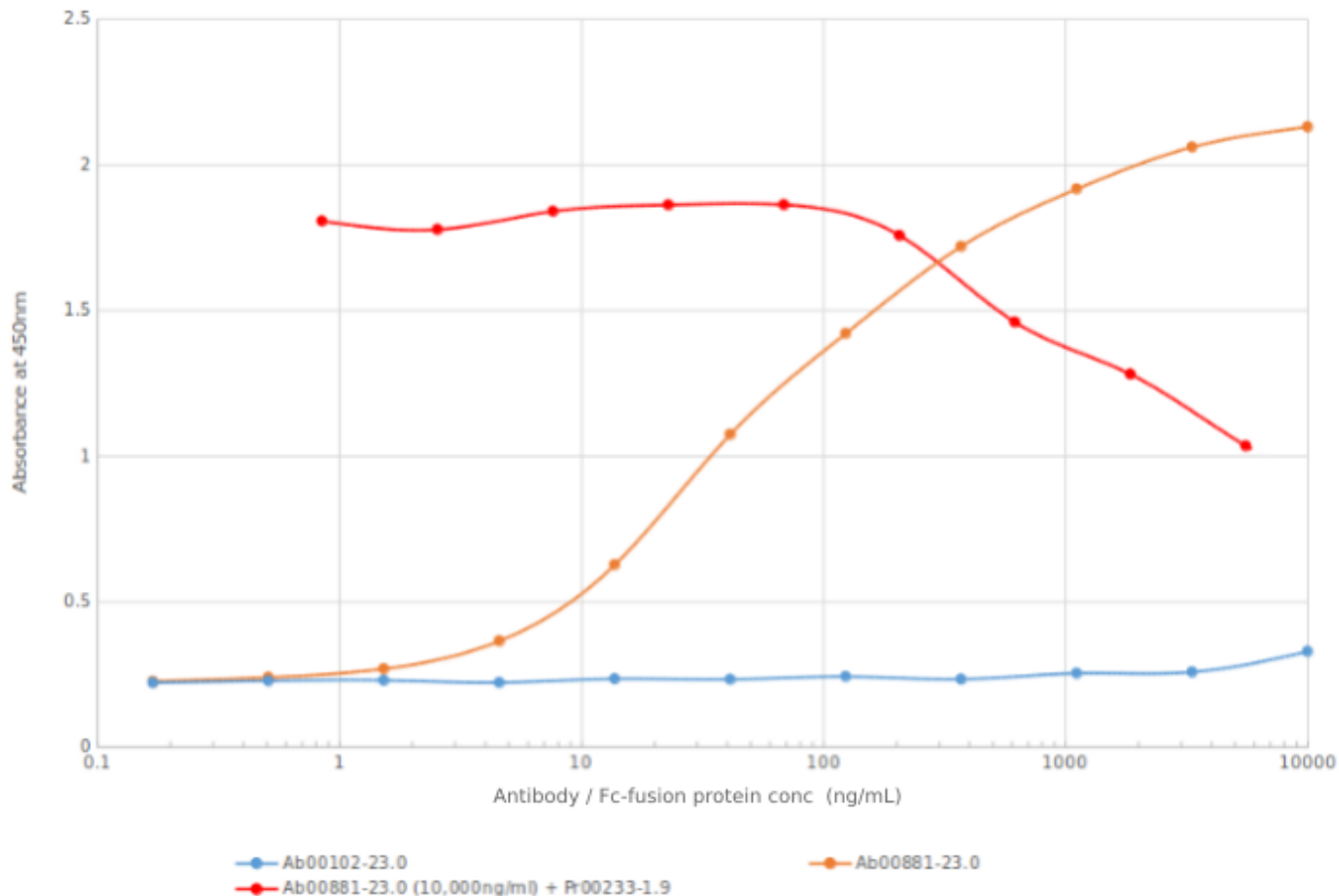
Calculated Molecular weight (dimer): 88531 Da

Extinction coefficient: 88080 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).



4-1BB (Pr00233-1.9) SDS-PAGE. Pr00233-1.9 under non-reducing conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

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ELISA of anti-4-1BBL antibody on 4-1BBL-Fc fusion protein. Binding curves of the rabbit IgG chimeric version of the anti-4-1BBL antibody TKS-1 (Ab00881-23.0; orange line) and isotype control (Ab00102-23.0, anti-Fluorescein; blue line) to an ELISA plate coated with mouse 4-1BBL C-terminal Fc-fusion protein (Pr00159-1.28) at a concentration of 5 µg/ml. A 3-fold serial dilution from 10,000 to 0.17 ng/ml of Ab00881-23.0 was used. A competition assay was also performed; Ab00881-23.0 (10 µg/ml) was mixed with mouse 4-1BB N-terminal Fc-fusion protein (Pr00233-1.9) at a concentration of 5 µg/ml-0.76 ng/ml (3-fold dilution series) and the ELISA repeated (red line). For signal detection, a 1:4000 dilution of HRP-fused anti-rabbit IgG antibody was used.