



## Product Datasheet

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### Recombinant Mouse 4-1BBL Fc-Fusion Protein

Cat No: Pr00159-1.28

## Product Summary

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

**Protein:** Mouse 4-1BBL

**Fc domain:** Mouse IgG1

**Structure / Form:** Disulfide-linked homodimer

**Species:** Mouse

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

**Host:** HEK293

**UniProt Accession Number:** P41274

**Alternative Description:** TNFL9; tumour necrosis factor ligand superfamily member 9; CD137L; TNLG5A

**Published Application(s):** The ECD of murine 4-1BBL fused with modified human IgG1 Fc was used to stimulate T cells, augmenting the anti-CD3-mediated proliferative response of CD4<sup>+</sup> and CD8<sup>+</sup> T cells (Taraban et al, 2002). 4-1BBL-Fc shows tumour-binding activity in biodistribution analysis in mice and causes tumour regression in vitro (Zhang et al 2007). Murine 4-1BBL fused to mouse IgG-Fc was used in ELISA assays for CD137-Fc, using goat anti-human IgG-HRP antibodies to detect binding (Yi et al, 2014).

**Tested Applications(s):** ELISA; SDS-PAGE

**Activity:** 4-1BBL binds to TNFRSF9, a TM glycoprotein expressed on activated T cells, and induces proliferation.

**Reacts with antibody:** Anti-4-1BBL [TKS-1] (Ab00881)

## Product Form

**Purification:** Purified by affinity chromatography using Protein A.

**Supplied in:** PBS

**Storage recommendation:** Recommended storage at 4°C for up to 1 month. For longer term storage store at -20°C or -80°C in appropriate sized aliquots.

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

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

**Fc-Fusion Sequence (monomer)**

HHHHHHVPRDCGCKPCICTVPEVSSVFIFPPKPKDVLMSLTPKVTCVVVDISKDDPEVQFSWFVDDVEVHTAQTKPREEQINSTFRSVSELPILHQDWLNGKEFKCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFPEDITVEWQWNGQPAENYKNTQPIMDTDGSYFVYSKLVQKSNWEAGNTFTCSVLHEGLHNHHTKSLSHSPGAGGGSGGGGSTRTEPRPALTITSPNLGTRENNADQVTPVSHIGCPNTTQQGSPVFAKLLAKNQASLCNTTLNWHSQDGAGSSYLSQGLRYEEDKKELVVDSPGLYYVFLELKLSPFTNTGHKVQGWVSLVLQAKPVDDFDNLALTVELFPCS MENKLVDRSWSQLLLLKAGHRLSVGLRAYLHGAQDAYRDWELSYPNNTTSFGLFLVKPDNPWE

Underlined amino acids sequence include a 2x(G4S) linker and 6xHis epitope tag, respectively.

**Calculated Molecular weight (dimer):** 100191 Da

**Extinction coefficient:** 144430 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).

## Representative Analysis and Activity Data

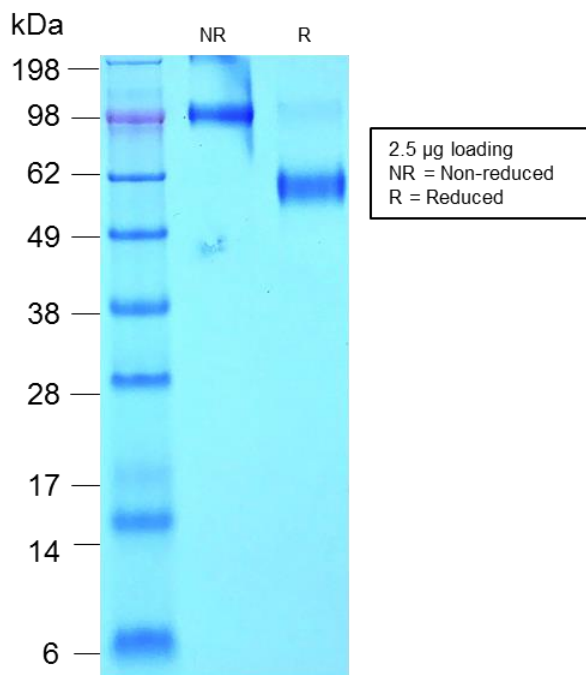
**Lot no:** T1727B18

**Concentration:** 1 mg/ml

**Endotoxin level:** <1 EU/mg as determined by LAL chromogenic endotoxin assay

**SDS PAGE Purity:** >98%

**SDS-PAGE gel image:**



Pr00159-1.28 under non-reducing and reducing (DTT) conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

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