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Recombinant Mouse PDL1/B7-H1 Fc-Fusion Protein

Cat No: Pr00112-1.9

Product Summary

Description: Recombinant mouse PDL1/B7-H1 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

Protein: Mouse PDL1/B7-H1

Fc domain: Mouse IgG1

Structure / Form: Disulfide-linked homodimer

Species: Mouse

Construct Design Note(s): The extracellular domain of PDL1/B7-H1 has been fused to the Fc domain of mouse IgG1.

Host: HEK293

UniProt Accession Number: Q9EP73

Alternative Description: CD274; Pdc111; Pdc11g1; Pdl1; PDL1/B7-H1 -Ig; PDL1/B7-H1 -Fc chimera; PDL1/B7-H1 (Fc tag)

Published Application(s):

Tested Applications(s):

Activity: PDL1/B7-H1 is involved in the costimulatory signal essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production.

Product Form

Purification: IMAC purified

Supplied in: PBS with preservative (0.02% Proclin 300)

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

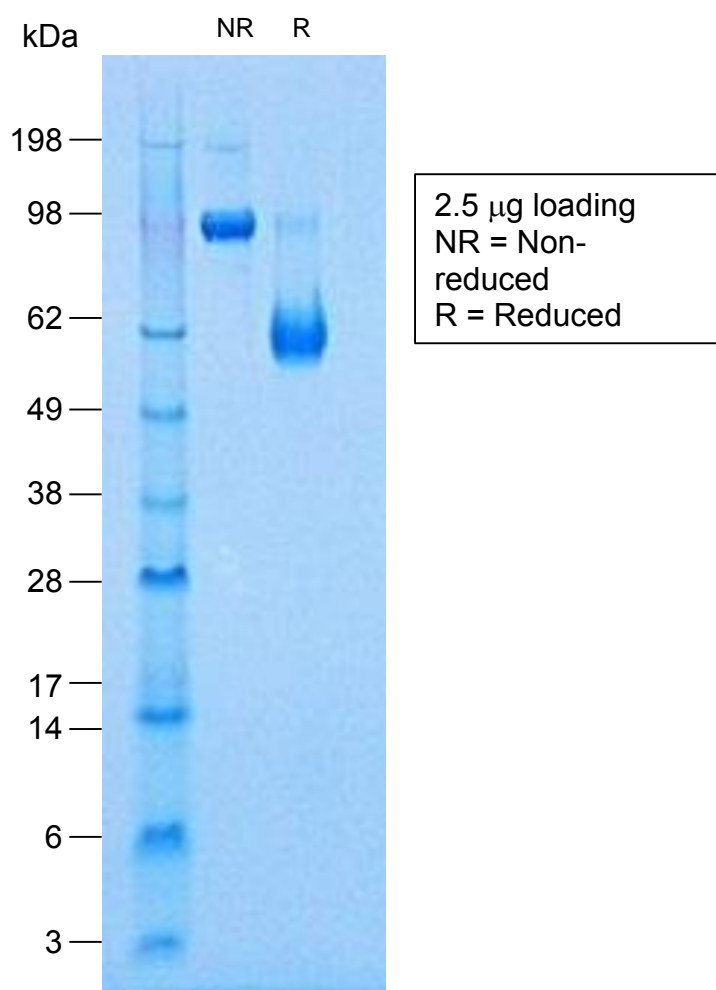
Fc-Fusion Sequence (monomer)

FTITAPKDLYVVEYGSNVTMECRFPVERELDLLALVYWEKEDEQVIQFVAGEEDLKPQHHSNFRGRASLPKDQLLKGN
AALQITDVKLQDAGVYCCIISYGGADYKRITLKVNPYRKINQRISVDPATSEHELICQAEGYPEAEVIWTNSDHQPVSG
KRSVTTSRTEGMLLNVTSSLRVNATANDVFYCTFWRSQPGQNHTAELIPELPAHPGGGGSVPRDQGCKPCICTVPE
VSSVFIFPPKPKDVLITLTPKVTCVVVDISKDDPEVQFSWFVDDVEVHTAQTKPREEQINSTFRSVSELPIMHQDWLN
GKEFKCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFFPEDITVEWQWNGQPAENYKNT
QPIMDTDGSYFVYSKLVQKSNWEAGNTFTCSVLHEGLHNHHHTEKSLSHSPGKHHHHHH

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

Calculated Molecular weight (dimer): 101749 Da

Extinction coefficient: 128690 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).



Pr00112-1.9 under non-reducing and reducing (DTT) conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

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