



Recombinant Mouse CD80 Fc-Fusion Protein

Cat No: Pr00225-1.9

Product Summary

Description: Recombinant mouse CD80 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

Protein: Mouse CD80

Fc domain: Mouse IgG1

Structure / Form: Disulfide-linked homodimer

Species: Mouse

Construct Design Note(s): The extracellular domain of CD80 has been fused to the Fc domain of mouse IgG1.

Host: HEK293

UniProt Accession Number: Q00609

Alternative Description: T-lymphocyte activation antigen CD80; Activation B7-1 antigen; B7; CD80; CD80-Ig; CD80-Fc chimera; CD80 (Fc tag)

Published Application(s):

Tested Applications(s):

Activity: Involved in the costimulatory signal essential for T lymphocytes activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor [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

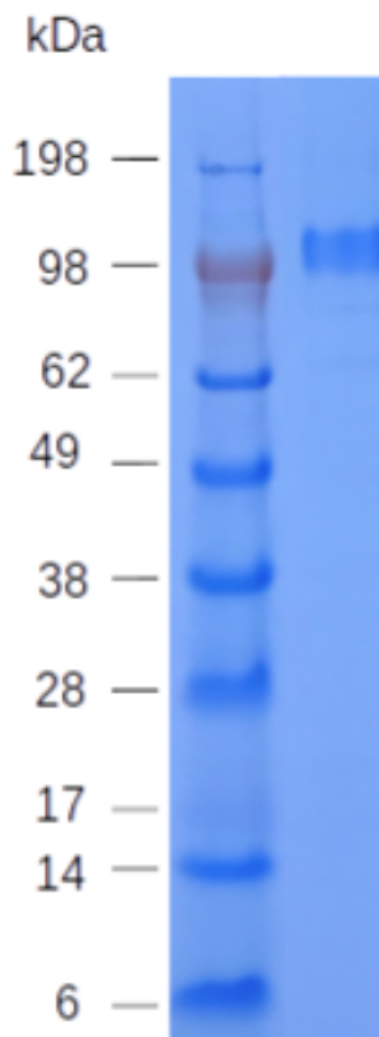
Fc-Fusion Sequence (monomer)

DEQLSKSVKDKVLLPCRYNSPHEDESEDRIYWQKHDKVVLSVIAGKLVWPEYKNRTLYDNTTYSLIILGLVLSDRGTYS
CVVQKKERGTYEVKHLALVKLSIKADFSTPNITESGNPSADTKRITCFASGGFVKPRFSWLENGRELPGINTTISQDPESEL
YTISSQLDFNTRNHTIKCLIKYGDAHVSEDFTWEKPPEDPPDSKNGGGGSVPRDQGCKPCICTVPEVSSVFIFPPKPK
DVLITLTPKVTVCVVDISKDDPEVQFSWFVDDVEVHTAQTTPREEQINSTRSVSELPIMHQDWLNGKEFKCRVNSAA
FPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFFPEDITVEWQWNGQPAENYKNTQPIMDTDGSYFV
YSKLVNQKSNWEAGNTFTCSVLHEGLHNHHTKSLSHSPGKHHHHHH

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

Calculated Molecular weight (dimer): 100830 Da

Extinction coefficient: 139540 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).



CD80 (Pr00225-1.9) SDS-PAGE. Pr00225-1.9 under non-reducing conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

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