Product Datasheet

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Recombinant Mouse CD86 Fc-Fusion Protein

Cat No: Pr00226-1.9

Product Summary

Description: Recombinant mouse CD86 Fc-Fusion Protein manufactured using AbAb's Recombinant Platform

Protein: Mouse CD86

Fc domain: Mouse IgG1

Structure / Form: Disulfide-linked homodimer

Species: Mouse

Construct Design Note(s): The extracellular domain of CD86 has been fused to the Fc domain of mouse IgG1.

Host: HEK293

UniProt Accession Number: P42082

Alternative Description: T-lymphocyte activation antigen CD86; Activation B7-2 antigen; Early T-cell costimulatory molecule 1; ETC-1; CD86; CD86-Ig; CD86-Fc chimera; CD86 (Fc tag)

Published Application(s):

Tested Applications(s):

Activity: Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after 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.

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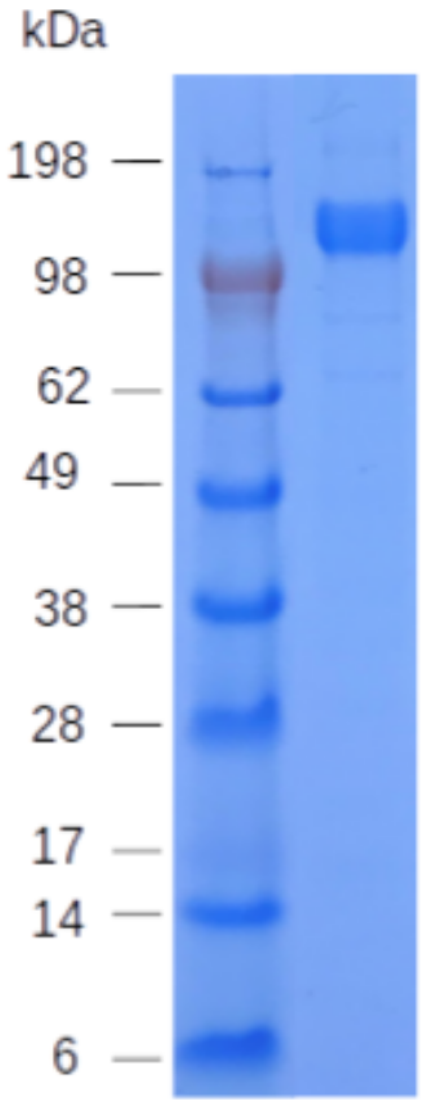
Fc-Fusion Sequence (monomer)

SVETQAYFNGTAYLPCPFTKAQNISLSELVVFWQDQQKLVLYEHYLGTEKLDSVNAKYLGRTSFDRNNWTLRLHNVQIK
DMGSYDCFIQKKPPTGSIILQQTLTELSVIANFSEPEIKLAQNVTGNSGINLTCTSKQGHPKPKKMYFLITNSTNEYGDNM
QISQDNVTELFSISNSLSLSFPDGVWHMTVVCVLETESMKISSKPLNFTQEFPSPQTYWKGGGGSVPRDQGCKPCICTV
PEVSSVFIFPPKPKDVLTITLTPKVTCVVVDISKDDPEVQFSWFVDDVEVHTAQTKPREEQINSTFRSVSELPIMHQDWL
NGKEFKCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFFPEDITVEWQWNGQPAENYKN
TQPIMDTDGSYFVYSKLNVQKSNWEAGNTFTCSVLHEGLHNHHTEKSLSHSPGKHHHHHH

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

Calculated Molecular weight (dimer): 103429 Da

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



CD86 (Pr00226-1.9) SDS-PAGE. Pr00226-1.9 under non-reducing conditions resolved by SDS-PAGE and stained using Coomassie-Blue.