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Recombinant Mouse ICOSL Fc-Fusion Protein

Cat No: Pr00157-1.9

Product Summary

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

Protein: Mouse ICOSL

Fc domain: Mouse IgG1

Structure / Form: Disulfide-linked homodimer

Species: Mouse

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

Host: HEK293

UniProt Accession Number: Q9JHJ8

Alternative Description: ICOS ligand; ICOSL; CD275; B7 homolog 2; B7-H2; B7-like protein GI50; B7-related protein 1; B7RP-1; LICOS; ICOSL-Ig; ICOSL-Fc chimera; ICOSL (Fc tag)

Published Application(s):

Tested Applications(s): ELISA

Activity: Ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function. During pregnancy, may function to skew the cytokine of maternal T-cells toward immunoprotective Th2 phenotype [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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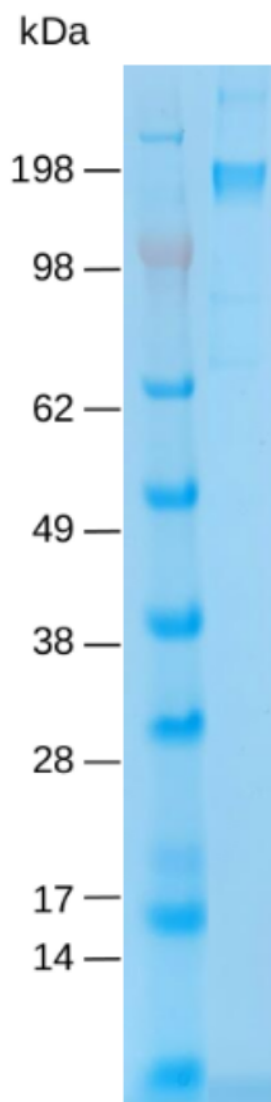
Fc-Fusion Sequence (monomer)

AETEVGAMVGSNVVLSCIDPHRRHFNL SGLYVYWQIENPEVSVTYL PYKSPGINVDSSYKNRGHLSLDSMKQGNFSL
YLKNVTPQDTQEFTCRVFMNTATELVKILEEVRLRVAANFSTPVISTSDSSNPGQERTYTCMSKNGYPEPNLYWINTTDN
SLIDTALQNNTVYLNKLGLYDVISTLR LPWTSR GDLCCVENVALHQNITSISQAESFTGNNTKNPQETHNNGGGSV
RDQGCKPCICTVPEVSSVFIFPPKPKDVL TITLTPKVT CVVVDISKDDPEVQFSWFVDDVEVHTAQT KPREEQINSTFRS
VSELPIMHQDWLNGKEFKCRVNSAAFPAIEKTISKTKGRPKAPQVYTIPPPKEQMAKDKVSLTCMITNFFPEDITVEWQ
WNGQPAENYKNTQPIMDTDGSYFVYSKLVN VQKSNWEAGNTFTCSVLHEGLHNHHTEKSLSHSPGKHHHHHH

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

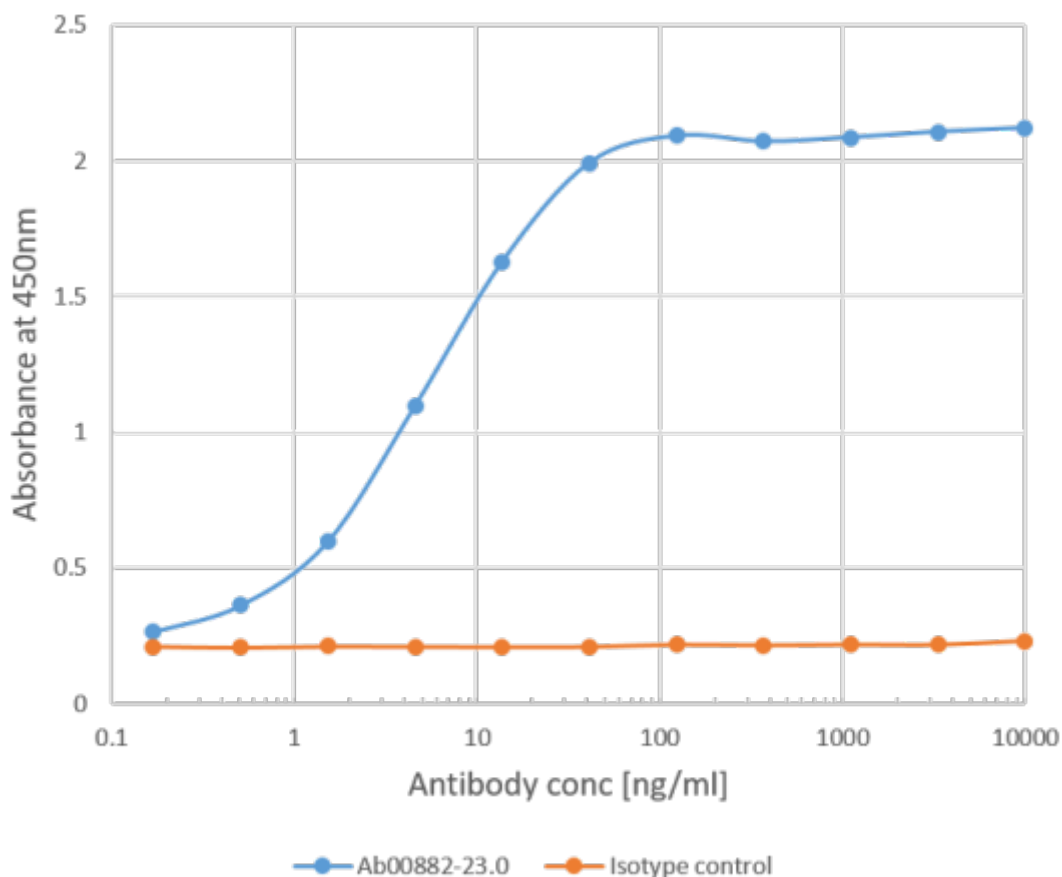
Calculated Molecular weight (dimer): 105377 Da

Extinction coefficient: 137630 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).



ICOSL (Pr00157-1.9) SDS-PAGE. Pr00157-1.9 under non-reducing conditions resolved by SDS-PAGE and stained using Coomassie-Blue.

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Binding curve of anti-ICOSL antibody HK5.3 (Ab00882-23.0) to mouse ICOSL-Fc fusion protein ELISA Plate coated with ICOSL-Fc fusion protein (Pr00157-1.9) at a concentration of 5 μ g/ml. A 3-fold serial dilution from 10,000 to 0.1 ng/ml was performed using Ab00882-23.0. For detection, a 1:4000 dilution of HRP-labelled goat anti-rabbit antibody (Bio-Rad) was used.

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