

CD40LG Recombinant Mouse CD40 Ligand

Catalog No. CRC803A Quantity: $5 \mu g$

CRC803B 25 μg CRC803C 1.0 mg

Alternate Names: Tumor Necrosis Factor Suerfamily Member 5, CD154, CD40L, TRAP, HIGM1, IGM,

IMD3, LY-62, T-BAM, TNFSF5

GenelD: 21947

Protein Accession No: NP_035746

Description: Recombinant mouse CD40 Ligand is a non-glycosylated polypeptide chain containing

149 amino acids.

Source: E. coli

Molecular Weight: 16.4 kDa

Formulation: Lyophilized from a sterile filtered solution containing 10 mM sodium phosphate, pH 7.5

Purity: > 98.0% as determined by RP-HPLC and SDS-PAGE analyses

Endotoxin Level: < 0.1 ng/µg of CD40LG

Biological Activity: Determined by its ability to induce MIP-1 alpha and TNF-alpha from mouse splenocytes.

The ED $_{50}$ is 0.1 $\mu g/ml$.

Amino Acid Sequence: The sequence of the first five N-terminal amino acids is Met-Gln-Arg-Gly-Asp.

Reconstitution: Centrifuge vial prior to opening. First add sterile water to the vial to fully solubilize the

protein to a concentration not less than 100 µg/ml. After complete solubilization of the

protein, it can be further diluted to other aqueous solutions.

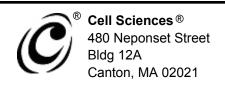
Storage & Stability: Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at

2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon

the particular application employed. Avoid repeated freeze-thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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