



PRODUCT DATA SHEET

Product: CD40L, human recombinant

Cat. No: BC-027 (50 µg)

Biological Activity:

Determined by the stimulation of IL-12 induction by human peripheral blood mononuclear cell (PBMC). It also stimulates IL-8 induction by human PBMC using a concentration of 10-100 ng/ml.

Structure:

A noncovalent trimer of 16.3 kDa protein containing 149 amino acid residues (starting at Gly 116 in the human CD40L sequence).

Source:

Recombinant human soluble CD40Ligand is produced in *E. coli*.

Format:

50 µg of sterile filtered solution lyophilized from PBS, pH 7.2. Purity >98% by SDS-PAGE and HPLC analyses. Endotoxin level <0.1 ng/µg (1EU/µg).

Storage and Stability:

Store at -20°C. Once rehydrated, aliquot and store at -20°C, or at 4°C for 1 week.

Reconstitution: A quick spin is recommended followed by reconstitution in PBS, pH 7.2 to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

Applications and Suggested Dilutions:

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.