PRODUCT INFORMATION

Expression system Baculovirus

Domain 112-260aa

UniProt No. P27548

NCBI Accession No. NP_035746

Alternative Names

CD40 ligand, CD40-L, CD40L, T-cell antigen Gp39, TNF-related activation protein, TRAP, Tumor necrosis factor ligand superfamily member 5, TNFSF5, CD154, Hyper-IgM syndrome, HIGM1, T-B cell-activating molecule, T-BAM

PRODUCT SPECIFICATION

Molecular Weight

17.5 kDa (158aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity > 95% by SDS-PAGE

Endotoxin level < 1 EU per 1ug of protein (determined by LAL method)

Tag His-Tag

Application SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CD40LG, also known as CD40 ligand, belongs to the tumor necrosis factor family. This protein binds to TNFRSF5. CD40LG mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL-4. CD40 ligand dysregulation on T cells and antigen presenting cells contributes to the immune deficiency



associated with HIV infection and AIDS. Recombinant mouse CD40LG, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

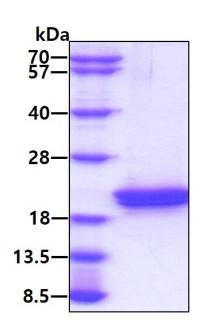
<ADL>MQRGDED PQIAAHVVSE ANSNAASVLQ WAKKGYYTMK SNLVMLENGK QLTVKREGLY YVYTQVTFCS NREPSSQRPF IVGLWLKPSS GSERILLKAA NTHSSSQLCE QQSVHLGGVF ELQAGASVFV NVTEASQVIH RVGFSSFGLL KL<HHHHHH>

General References

Price JD et al., (2014) J. Leukoc. Biol. 95(2):325-336. Williams JA et al., (2014) J. Immunol. 192(2):630-640.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.