

CD40 ligand, 112-260aa, Mouse, His tag, Insect cell

Cat.NO.: TP01514

3th Edition

Synonyms:CD40lg, CD154, CD40-L, Cd40l, gp39, HIGM1, IGM, IMD3, Ly-62, Ly62, T-BAM, Tnfsf5, TRAP

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.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:17.2kDa (155aa) 18-28KDa (SDS-PAGE under reducing conditions.)

Sequences:

MQRGDEDPQIAAHVVSEANSNAASVLQWAKKGYITMKSNLVMLENGKQLTVKREGLYYVYTQVTFCSNREPSSQ
RPFIVGLWLKPSSGSRILLKAANTHSSSQLCEQQSVHLGGVFELQAGASVFNVTASQVIHRVGFSSFGLLKLHH
HHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.