

TNFSF8, 63- 234aa, Human, His tag, E.coli

Cat.NO.: TP04266

3th Edition

Synonyms:tumor necrosis factor ligand superfamily member 8, CD153, CD30L, CD30LG

Description:TNFSF8 is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF8/CD30, which is a cell surface antigen and a marker for Hodgkin lymphoma and related hematologic malignancies. The engagement of this cytokine expressed on B cell surface plays an inhibitory role in modulating Ig class switch. TNFSF8 was shown to enhance cell proliferation of some lymphoma cell lines, while to induce cell death and reduce cell proliferation of other lymphoma cell lines. The pleiotropic biologic activities of this cytokine on different CD30+ lymphoma cell lines may play a pathophysiologic role in Hodgkin's and some non-Hodgkin's lymphomas. Recombinant human TNFSF8 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Molecular Weight:22.0 kDa (195aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSQRTDSIPNSPDNVPLKGGNCSEDLLCILKRAPFKKSWAYLQVAKHLNKTCLS
WNKDGILHGVRYQDGNLVIQFPGLYFIICQLQFLVQCPNNSVDLKELELLINKHIKKQALVTVCESGMQTKHVYQNLS
QFLLDYLQVNTTISVNVDTFQYIDTSTFPLENVLSIFLYSNSD

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

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.