

Recombinant mouse OX40 Ligand/TNFSF4 Protein

Catalog Number: ATGP4022

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

51-198aa

UniProt No.

P43488

NCBI Accession No.

NP_033478

Alternative Names

Tumor necrosis factor superfamily member 4, Ath1, Ath-1, CD134L, OX40 ligand, OX40L, 34kD tax-transcriptionally activated glycoprotein 1, gp34, TXGP1, Txgp1l, CD252

PRODUCT SPECIFICATION

Molecular Weight

17.7kDa (157aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS - PAGE

Endotoxin level

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

Biological Activity

Measured by its binding ability in a functional ELISA with Human TNFRSF4 (CAT# ATGP4045).

Tag

His-Tag

Application

SDS-PAGE, Bioactivity

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

Recombinant mouse OX40 Ligand/TNFSF4 Protein

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Description

OX40 Ligand, also known as Inositol monophosphatase 3, is a member of the tumor necrosis factor (TNF) receptor family. It is expressed on many antigen-presenting cells such as DC2s, macrophages, and activated B lymphocytes. The receptor for OX40L is OX40 that is expressed predominantly on activated CD4+ T cells. Expression of OX40 is transient following engagement of T cell receptors. The ligation of OX40-OX40L is a source of survival signal for T cells and enables the development of memory T cells. Also, It stimulates proliferation and differentiation of activated B cells, and increases immunoglobulin secretion. OX40-OX40 Ligand signaling is involved in graft-versus-host disease and autoimmune disease . Mutations in OX40 and OX40 Ligand are associated with cardiovascular disease. Recombinant mouse OX40 Ligand, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

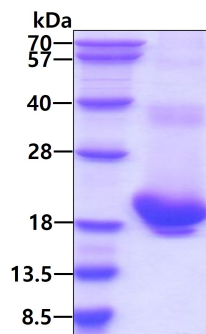
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General References

Damayanti T., et al, (2010) Am. J. Respir. Crit. Care Med. 181(7):688-698.
Ishii N., et al, (2010) Adv. Immunol. 105:63-98.

DATA

SDS-PAGE



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

Biological Activity

Mouse TNFSF4 is coated at 1 ug/ml (100 ul/well) can bind Human TNFRSF4 (CAT# ATGP4045) in a Functional ELISA assay.

