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Datasheet for ABIN6253698

TNFSF4 Protein (AA 49-198) (His tag)

2 Images

Overview

Quantity:	50 µg
Target:	TNFSF4
Protein Characteristics:	AA 49-198
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFSF4 protein is labelled with His tag.

Product Details

Sequence:	AA 49-198
Characteristics:	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 18.3 kDa. The protein migrates as 20 kDa and 22-25 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TNFSF4
Alternative Name:	OX40 Ligand (TNFSF4 Products)

Target Details

Background: Tumor necrosis factor ligand superfamily member 4 (TNFSF4) is also known as glycoprotein Gp34, OX40 ligand (OX40L), TAX transcriptionally-activated glycoprotein 1 and CD252, which belongs to the tumor necrosis factor family. TNFSF4 is the ligand for CD134 and is expressed on such cells as DC2s (a subtype of dendritic cells) enabling amplification of Th2 cell differentiation. The interaction of TNFSF4-TNFSF4 is involved in the pathogenesis of multiple autoimmune and inflammatory diseases such as systemic lupus erythematosus (SLE), carotid artery disease and cancer. Furthermore, similar to other TNF superfamily members, membrane-bound OX40 Ligand (TNFSF4) exists as a homotrimer. Human TNFSF4 shares 46 % amino acid sequence identity with its mouse counterpart.

Molecular Weight: 18.3 kDa

NCBI Accession: [NP_033478](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Activated T Cell Proliferation](#), [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

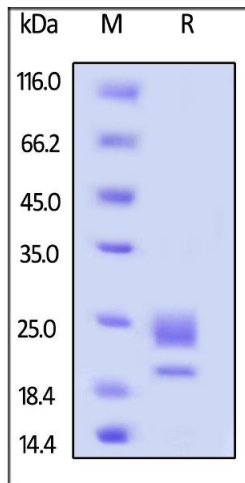
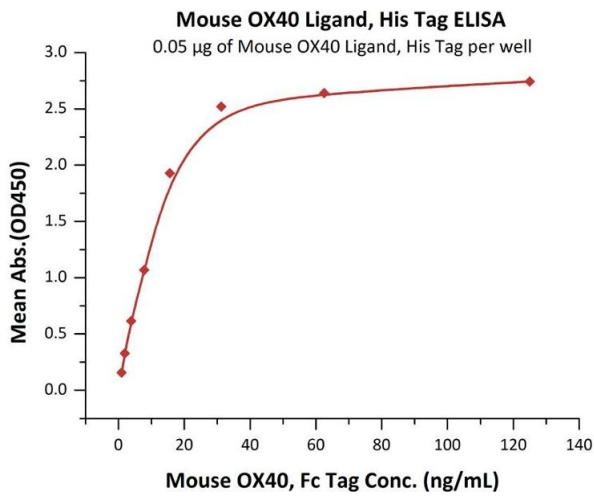
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



ELISA

Image 1. Immobilized Mouse OX40 Ligand, His Tag (ABIN5674649,ABIN6253698) at 0.5 µg/mL (100 µL/well) can bind Mouse OX40, Fc Tag (ABIN2870834,ABIN2870835) with a linear range of 10-16 ng/mL (QC tested).

SDS-PAGE

Image 2. Mouse OX40 Ligand, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 %.