**InnoCyto Inc.**
15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618

# Technical Data Sheet

Mouse OX40L Protein (N-Fc)

**Catalog Number:** 604901, 604902
**Size:** 25 ug, 100 ug
**Target Name:** OX40L, TNFSF4, CD252, TXGP1, CD134 ligand, , Glycoprotein Gp34
**Regulatory Status:** RUO

## Product Details

**Application:** ELISA, BLI
**Format:** Liquid, Purified
**Expression Host:** HEK293
**Target Name:** OX40L, TNFSF4, CD252, TXGP1, CD134 ligand, , Glycoprotein Gp34
**Species:** Mouse
**Accession Number:** P43488
**Sources:** Recombinant Mouse OX40L (Gln49-Leu198) with N-terminus Fc tag is expressed in 293 cells
**Molecular Weight:** This protein has a predicted molecular weight of 42.9 kDa. Under DTT-reducing conditions, the protein migrates at approximately 50 kDa on SDS-PAGE.
**Affinity Tag:** N-Fc
**Purity:** >95% based on SDS-PAGE under reducing condition
**Regulatory Status:** RUO
**Formulation:** 1xPBS buffer, pH7.4, 0.22 μm filtered
**Endotoxin level:** Not tested
**Protein Concentration:** 25μg size is bottled at 0.2mg/mL concentration. 100 μg size is supplied at a lot-specific concentration.
**Storage and Handling:** Briefly centrifuge the vial upon receipt. An unopened vial can be stored at 4°C for up to 2 weeks, or at -20°C or below for up to six months. The protein may be further diluted to 0.1 mg/mL using 0.22 μm-filtered PBS buffer (pH 7.4). For long-term storage, the diluted stock solution should be aliquoted and stored at ≤ –70°C to minimize freeze-thaw cycles. If additional dilution is required, carrier proteins such as FBS or BSA should be added to maintain protein stability.

## Background Information

OX40 ligand (also known as CD252) is a member of the tumor necrosis factor (TNF) superfamily and serves as the natural ligand for the costimulatory receptor OX40 (CD134) on T cells. Expressed primarily on antigen-presenting cells such as B cells' dendritic cells, OX40L plays a key role in regulating immune responses by promoting T cell activation, proliferation, survival, and memory formation. The interaction between OX40L and OX40 is critical for sustaining effective adaptive immunity and is a promising target in therapies for cancer, autoimmune diseases, and chronic inflammation.

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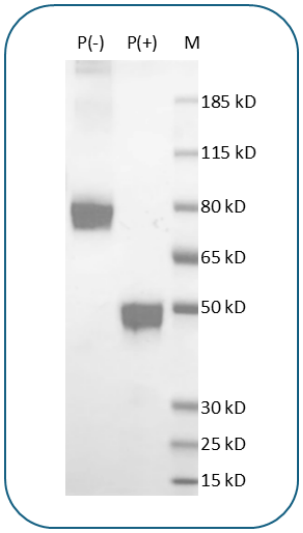
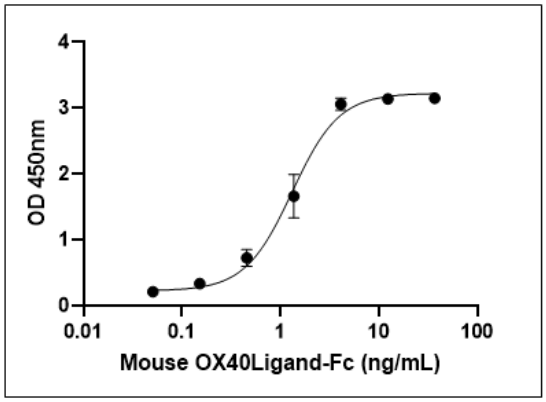
## Product Data




Purified Mouse OX40L Protein (N-Fc) on SDS-PAGE under reducing (P+) and non-reducing (P-) conditions. The purity of the purified protein appears to be greater than 95% based on reducing condition.




Biotinylated mouse OX40 (C-His-Avi) is coated at 2 ug/mL (200 ng/well). Mouse OX40L (N-Fc) can bind mouse OX40 in a dose-dependent manner with the ED50 of 1-5 ng/mL