

## Technical Data Sheet

### Human OX40L Protein (N-Fc)

**Catalog Number:** 604701, 604702

**Size:** 25 ug, 100 ug

**Target Name:** OX40L, TNFSF4, CD252, TXGP1, CD134 ligand, , Glycoprotein Gp34

**Regulatory Status:** RUO

#### Product Details

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**Application:** ELISA, BLI

**Format:** Liquid, Purified

**Expression Host:** HEK293

**Species:** Human

**Accession Number:** P23510

**Sources:** Recombinant Human OX40L (Gln51-Leu183) with N-terminus Fc tag is expressed in 293 cells

**Molecular Weight:** This protein has a predicted molecular weight of 41.4 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

**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.

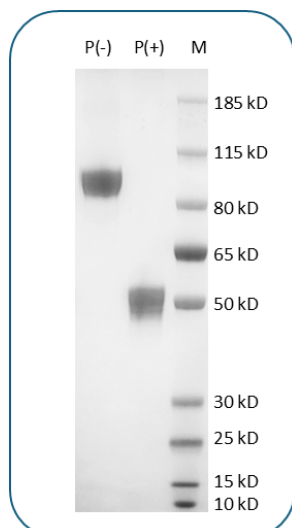
#### Background Information

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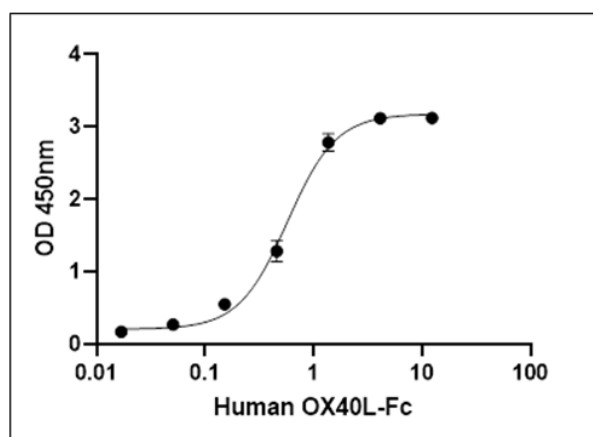
OX40 (also known as CD134) is a costimulatory receptor belonging to the tumor necrosis factor receptor (TNFR) superfamily. Upon binding to its ligand OX40L, OX40 signaling promotes the development of long-lasting memory T cells and sustains immune responses. It is primarily expressed on activated T cells and plays a crucial role in enhancing T cell proliferation, survival, and cytokine production.. Because of its central role in modulating immune activation and tolerance, OX40 is an important target for immunotherapy in cancer, autoimmune diseases, and infectious diseases

#### Product Data

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Purified Human OX40 Protein (C-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.



Human OX40 (C-His) is coated at 2 ug/mL (200 ng/well). Human OX40L (N-Fc) can bind human OX40 in a dose-dependent manner with the ED50 of 0.3-1 ng/mL