

## Technical Data Sheet

### Human OX40L Protein (N-His)

**Catalog Number:** 605201, 605202

**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:** CHO

**Species:** Human

**Accession Number:** P23510

**Sources:** Recombinant Human OX40L (Gln51-Leu183) with N-terminus His tag is expressed in CHO cells.

**Molecular Weight:** This protein has a predicted molecular weight of 17.6 kDa. Under DTT-reducing conditions, the protein migrates at approximately 25 kDa on SDS-PAGE.

**Affinity Tag:** N-His

**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 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.