

## Technical Data Sheet

### Mouse OX40 (C-His)

**Catalog Number:** 818401, 818402

**Size:** 25 ug, 100 ug

**Target Name:** TNFRSF4, OX40, CD134, OX40L receptor

**Regulatory Status:** RUO

#### Product Details

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**Application:** ELISA, BLI

**Format:** Liquid, Purified

**Expression Host:** CHO

**Species:** Mouse

**Sources:** Recombinant Mouse OX40 (Val20-Pro211) with C-terminus His-tag is expressed in CHO cell.

**Accession Number:** P47741

**Molecular Weight:** The protein has a predicted molecular weight of 22.9 kDa. Under DTT-reducing conditions, it migrates at approximately 40 kDa on SDS-PAGE.

**Affinity Tag:** C-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.

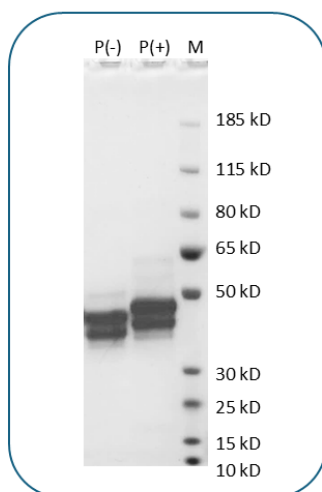
#### Background Information

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OX40 (CD134) and its ligand OX40L (CD252), both part of the TNF receptor superfamily, play a key role in immune regulation. Their interaction is essential for T-cell expansion, survival, and cytokine production, influencing T cells, antigen-presenting cells, NK cells, and NKT cells. OX40-OX40L signaling helps break immune tolerance in malignancies, promoting antitumor immunity, and is also involved in the development of inflammatory and autoimmune diseases. Due to these regulatory effects, the OX40-OX40L pathway is a promising target for therapeutic interventions in both cancer and infectious diseases, with OX40 stimulation showing potential for therapeutic immunization strategies.

**Product Data**

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Mouse OX40 (C-His) on SDS-PAGE under reducing condition (P+) and non-reducing condition (P-). The gel was stained for 1 hour with BlinkBlue (catalog 700102). The purity of this protein appears to be greater than 95% based on reducing conditions.