

Technical Data Sheet

Mouse OX40 (C-Fc)

Catalog Number: 818701, 818702

Size: 25 ug, 100 ug

Target Name: TNFRSF4, OX40, CD134, OX40L receptor

Regulatory Status: RUO

Product Details

Application: ELISA, BLI

Format: Liquid, Purified

Expression Host: CHO

Species: Mouse

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

Accession Number: P47741

Molecular Weight: The protein has a predicted molecular weight of 47.8 kDa. Under DTT-reducing conditions, it migrates at approximately 60 kDa on SDS-PAGE.

Affinity Tag: C-Fc

Purity: >95% based on SDS-PAGE under reducing condition

Formulation: 1xPBS buffer, pH7.4, 0.22 µm filtered

Endotoxin level: Less than 0.1 EU/µg protein as determined by the LAL method

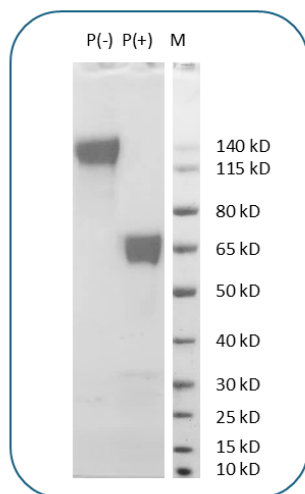
Protein Concentration: 25µg size is bottled at 0.2mg/mL concentration. 100 µg size is supplied at a lot-specific concentration.

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 (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



Mouse OX40 (C-Fc) Protein on SDS-PAGE under non-reducing and reducing conditions. The gel was stained for 1 hour with BlinkBlue Protein Staining Buffer (Catalog 700102). The purity of this protein appears to be greater than 95%.