

## Technical Data Sheet

### APC Cynomolgus Monkey OX40 (CD134) Protein (C-Fc)

**Catalog Number:** 819203, 819204

**Size:** 25 ug, 100 ug

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

**Regulatory Status:** RUO

#### Product Details

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**Application:** Flow Cytometry

**Format:** Liquid, APC

**Expression Host:** CHO

**Species:** Cynomolgus monkey

**Sources:** Recombinant Cynomolgus Monkey OX40 (Lue29-Ala216) with C-terminus Fc-tag is expressed in CHO cell and conjugated to APC.

**Accession Number:** A0A7N9CLL2

**Molecular Weight:** The protein has a predicted molecular weight of 46.3 kDa. Under DTT-reducing conditions, it migrates at approximately 60 kDa on SDS-PAGE prior to conjugation.

**Affinity Tag:** C-Fc

**Formulation:** 1xPBS buffer, pH7.4, 0.09% NaN<sub>3</sub> with a carrier protein

**Endotoxin level:** Not tested

**Protein Concentration:** 25µg size is bottled at 0.1mg/mL concentration. 100 µg size is bottled at lot specific concentration.

**Storage and Handling:** Briefly centrifuge the vial upon receipt. An unopened vial may be stored at 2–8°C for up to six months.

#### 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.