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# Biotin Cynomolgus Monkey OX40 (CD134) Protein (C-Fc-Avi)

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|---|---|
| **Catalog Number:** | 819103, 819104 |
| **Size:** | 25 ug, 100 ug |
| **Target Name:** | TNFRSF4, OX40, CD134, OX40L receptor |
| **Regulatory Status:** | RUO |

## PRODUCT DETAILS

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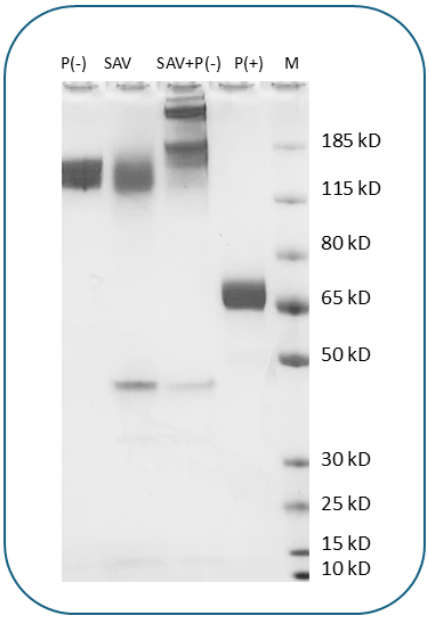
| **Application:** | ELISA, BLI |
| **Format:** | Liquid, Biotinylated |
| **Expression Host:** | CHO |
| **Species:** | Cynomolgus monkey |
| **Sources:** | Recombinant Cynomolgus Monkey OX40 (Lue29-Ala216) with C-terminus Fc-Avi-tag is expressed in CHO cell. This protein was site-specifically labeled with Biotin by BirA ligase. |
| **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. |
| **Affinity Tag:** | C-Fc-Avi |
| **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

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




Cynomolgus Monkey OX40 Protein (C-Fc-Avi) was biotinylated in vitro using BirA ligase. SDS-PAGE analysis under reducing (P+) and non-reducing (P−) conditions shows the protein has a purity greater than 95%. A gel shift assay using co-incubation with streptavidin indicates that the biotinylation efficiency of the Cynomolgus Monkey OX40 protein exceeds 80%.