

HUMAN OX40 PROTEIN, HFC-HIS TAG

Cat.#: 11150

Product Name: Human OX40 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: TNFRSF4;OX40;CD134;OX40L receptor;ACT35;TXGPIL

Target: OX40

UNIPROT ID: P43489

Description: Recombinant human OX40 protein with C-terminal human Fc and 6xHis tag

Background: The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-κappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2L1/BCL2-XL, and thus suppresses apoptosis. The knockout studies also suggested the roles of this receptor in CD4 T cell response, as well as in T cell-dependent B cell proliferation and differentiation.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 47.2 kDa after removal of the signal peptide.

Molecular Characterization: OX40(Leu29-Ala216) hFc(Glu99-Ala330) 6xHis tag

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

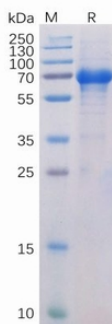


Figure 1. Human OX40 Protein, hFc-His Tag on SDS-PAGE under reducing condition.

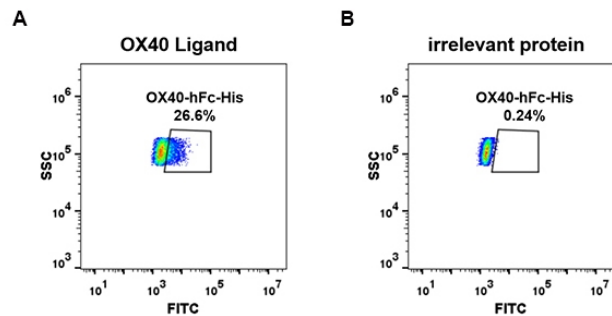


Figure 2. HEK293 cell line transfected with irrelevant protein (B) and human OX40 Ligand (A) were surface stained with Human OX40, hFc-His tagged protein (11150) 1 µg/ml followed by Alexa 488-conjugated anti-human IgG secondary antibody.

Human OX40, hFc-His tagged protein ELISA

0.1 µg of Human OX40, hFc-His tagged protein per well

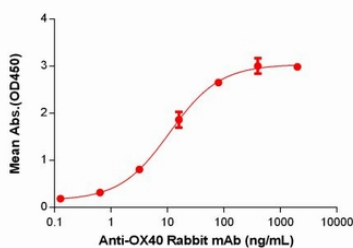


Figure 3. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human OX40 Protein, hFc-His Tag (11150) can bind Anti-OX40 Rabbit mAb in a linear range of 3.2-80 ng/mL.