

HUMAN OX40L PROTEIN, MFC-HIS TAG

Cat.#: 11149

Product Name: Human OX40L Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: OX40L;TNFSF4;CD252;Glycoprotein Gp34;TXGP1;CD134 ligand;CD134L

Target: OX40 Ligand

UNIPROT ID: P23510

Description: Recombinant human OX40L protein with N-terminal mouse Fc and C-6xHis tag

Background: This gene encodes a cytokine of the tumor necrosis factor (TNF) ligand family. The encoded protein functions in T cell antigen-presenting cell (APC) interactions and mediates adhesion of activated T cells to endothelial cells. Polymorphisms in this gene have been associated with Sjogren's syndrome and systemic lupus erythematosus. Alternative splicing results in multiple transcript variants.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 44.0 kDa after removal of the signal peptide.

Molecular Characterization: mFc(Pro99-Lys330) OX40 Ligand(Gln51-Leu183) 6xHis

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.

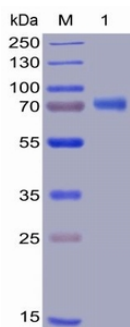


Figure 1. Human OX40 Ligand Protein, mFc-His Tag on SDS-PAGE under reducing condition.

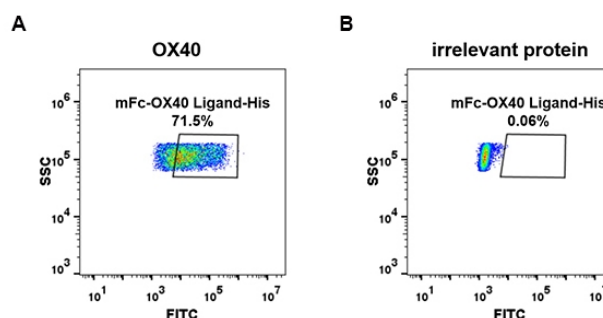


Figure 2. HEK293 cell line transfected with irrelevant protein (B) and human OX40 (A) were surface stained with Human OX40 Ligand, mFc-His tagged protein (11149) 10 µg/ml followed by Alexa 488-conjugated anti-mouse IgG secondary antibody.

Human OX40-L, mFc-His tagged protein ELISA

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

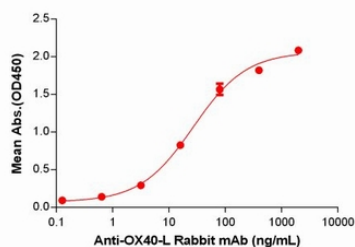


Figure 3. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human OX40-L Protein, mFc-His Tag (11149) can bind Anti-OX40-L Rabbit mAb in a linear range of 3.2-80 ng/mL.