

Human OX40L Protein (N-His)

Catalog Number:	605201, 605202
Size:	25 ug, 100 ug
Target Name:	OX40L, TNFSF4, CD252, TXGP1, CD134 ligand, , Glycoprotein Gp34
Regulatory Status:	RUO

PRODUCT DETAILS

Application:	ELISA, BLI
Format:	Liquid, Purified
Expression Host:	CHO
Species:	Human
Accession Number:	P23510
Sources:	Recombinant Human OX40L (Gln51-Leu183) with N-terminus His tag is expressed in CHO cells.
Molecular Weight:	This protein has a predicted molecular weight of 17.6 kDa. Under DTT-reducing conditions, the protein migrates at approximately 25 kDa on SDS-PAGE.
Affinity Tag:	N-His
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 ligand (also known as CD252) is a member of the tumor necrosis factor (TNF) superfamily and serves as the natural ligand for the costimulatory receptor OX40 (CD134) on T cells. Expressed primarily on antigen-presenting cells such as B cells' dendritic cells, OX40L plays a key role in regulating immune responses by promoting T cell activation, proliferation, survival, and memory formation. The interaction between OX40L and OX40 is critical for sustaining effective adaptive immunity and is a promising target in therapies for cancer, autoimmune diseases, and chronic inflammation.