

OX40L/TNFSF4 Trimer Protein, Cynomolgus/Rhesus macaque, Recombinant (His)

General Information

Synonyms:	OX-40L;TNFSF4;Tumor necrosis factor ligand 2B
Protein Construction:	Gln81-Leu213 (Cynomolgus) / Gln51-Leu183 (Rhesus macaque)
Species:	Cynomolgus/Rhesus macaque
Expression Host:	HEK293 Cells
Accession:	A0A2K5TTN0(Cynomolgus) / A0A1D5QQH7(Rhesus macaque)
Molecular Weight:	17.01 kDa (predicted); 25-38 kDa (due to glycosylation); 60-70 kDa (SEC-MALS)

QC Testing

Biological Activity:	Immobilized Cynomolgus/Rhesus macaque OX40 Ligand, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Human OX40, hFc Tag with the EC50 of 18.7 ng/ml determined by ELISA.
Purity:	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin:	<1 EU/µg as determined by LAL test.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Tumor necrosis factor ligand superfamily member 4(TNFSF4/OX40L) is a single-pass type II membrane protein. OX40L is expressed by DCs, macrophages and B cells and signals via its cognate receptor OX40 which is mainly expressed on APCs. OX40L/OX40 interactions are important in T-cell activation and survival and for the generation of memory T cells from activated effector T cells. It is a cytokine that binds to TNFRSF4, Co-stimulates T-cell proliferation and cytokine production. OX40L/OX40 interactions are important in T-cell activation and survival and

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for the generation of memory T cells from activated effector T cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481