

Cynomolgus/Rhesus macaque OX40 Ligand/TNFSF4 Protein

Cat. No. OXL-CM140

Description

Source	Recombinant Cynomolgus/Rhesus macaque OX40 Ligand/TNFSF4 Protein is expressed from HEK293 with His tag at the N-terminus. It contains Gln81-Leu213.
Accession	A0A2K5TTN0
Molecular Weight	The protein has a predicted MW of 17.01 kDa. Due to glycosylation, the protein migrates to 25-38 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

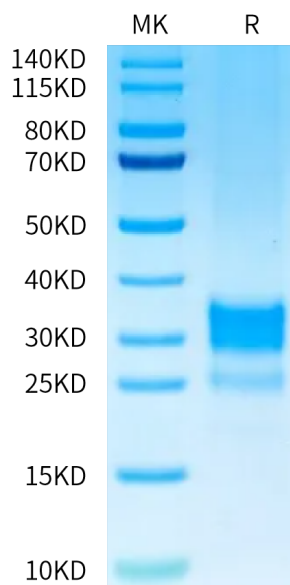
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Tumor necrosis factor ligand superfamily member 4 (TNFSF4) is also known as glycoprotein Gp34, OX40 ligand (OX40L), which belongs to the tumor necrosis factor family. It is expressed on such cells as DC2s (a subtype of dendritic cells) enabling amplification of Th2 cell differentiation.

Assay Data

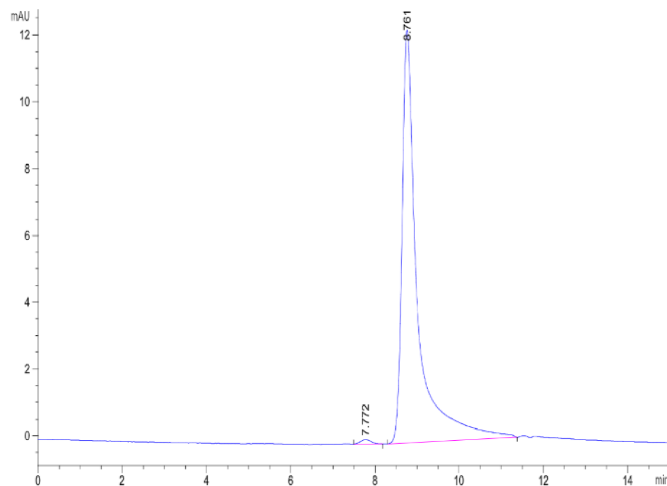
Bis-Tris PAGE



Cynomolgus/Rhesus macaque OX40 Ligand on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

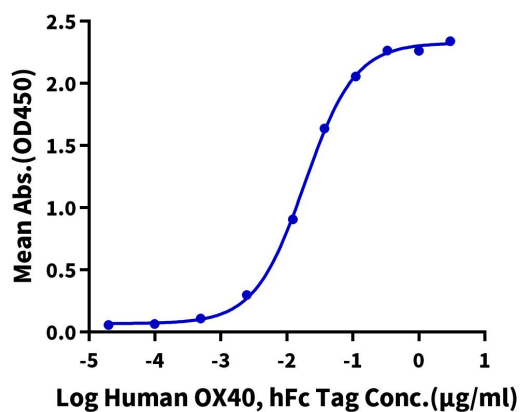


The purity of Cynomolgus/Rhesus macaque OX40 Ligand is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus/Rhesus macaque OX40 Ligand, His Tag ELISA

0.05µg Cynomolgus/Rhesus macaque OX40 Ligand, His Tag Per Well



Immobilized Cynomolgus/Rhesus macaque OX40 Ligand, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Human OX40, hFc Tag with the EC50 of 18.7ng/ml determined by ELISA.