

Human OX40/TNFRSF4/CD134 Protein

Cat. No. OX4-HM240

Description

Source	Recombinant Human OX40 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu29-Ala216.
Accession	P43489
Molecular Weight	The protein has a predicted MW of 46.8 kDa. Due to glycosylation, the protein migrates to 70-78 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

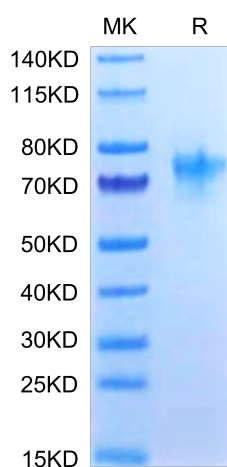
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Tumor necrosis factor receptor superfamily, member 4 (TNFRSF4), also known as CD134 and OX40 receptor. OX40 is a secondary co-stimulatory immune checkpoint molecule, expressed after 24 to 72 hours following activation; its ligand, OX40L, is also not expressed on resting antigen presenting cells, but is following their activation.

Assay Data

Tris-Bis PAGE

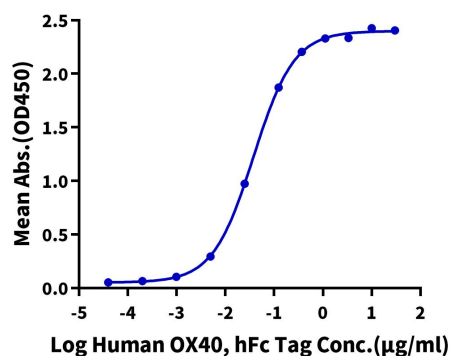


Human OX40 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human OX40, hFc Tag ELISA

0.1 μg Human OX40 Ligand (Trimer), His Tag Per Well



Immobilized Human OX40 Ligand Trimer, His Tag at 1 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Human OX40, hFc Tag with the EC50 of 37.7ng/ml determined by ELISA.