

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 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU 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 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
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 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

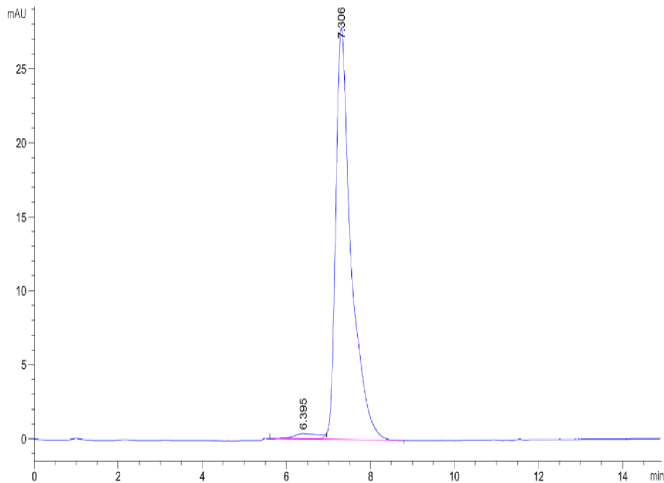
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

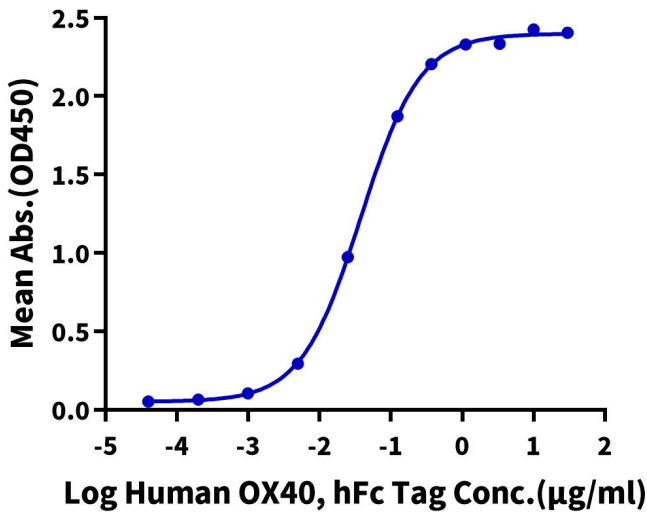


The purity of Human OX40 is greater than 95% as determined by SEC-HPLC.

ELISA Data

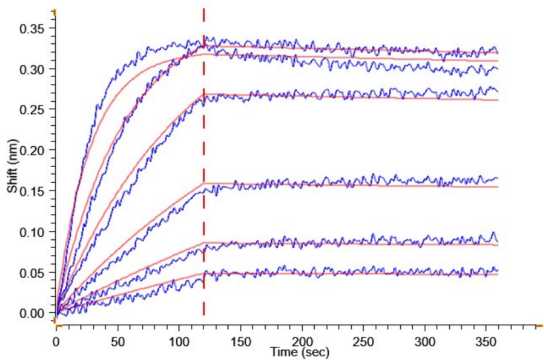
Human OX40, hFc Tag ELISA

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



Immobilized Human OX40 Ligand Trimer, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human OX40, hFc Tag with the EC50 of 37.7ng/ml determined by ELISA (QC Test).

BLI Data



Loaded Human OX40, hFc Tag on ProA-Biosensor, can bind Human OX40 Ligand (Trimer), His Tag with an affinity constant of 0.16 nM as determined in BLI assay (Gator® Prime).