

Biotinylated Human OX40/TNFRSF4/CD134 Protein



Cat. No. OX4-HM440B

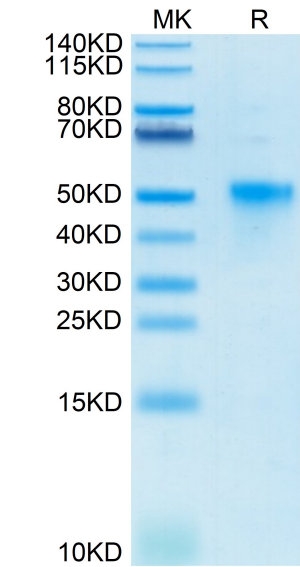
Description	
Source	Recombinant Biotinylated Human OX40/TNFRSF4/CD134 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Leu29-Ala216.
Accession	P43489
Molecular Weight	The protein has a predicted MW of 23.2 kDa. Due to glycosylation, the protein migrates to 50-55 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

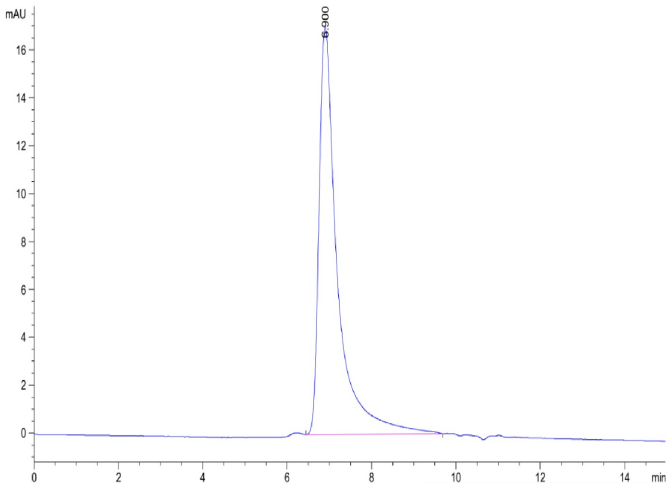
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

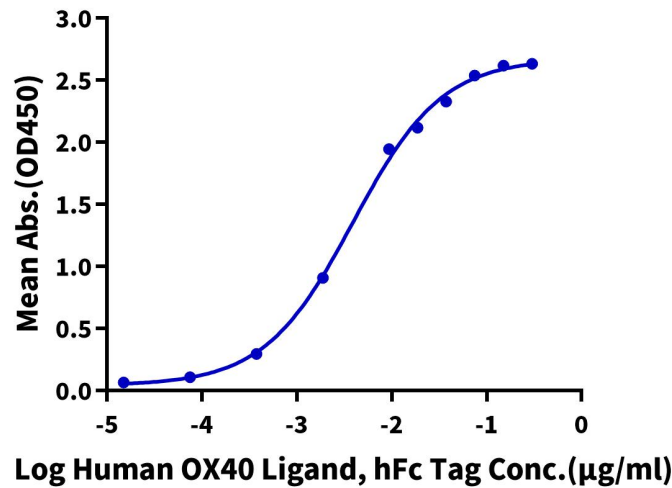


The purity of Biotinylated Human OX40 is greater than 95% as determined by SEC HPLC.

ELISA Data

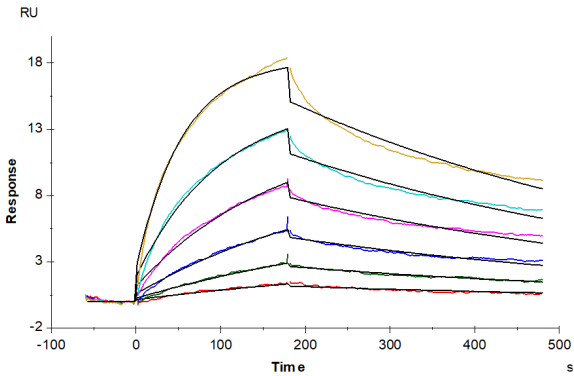
Biotinylated Human OX40, His Tag ELISA

0.1µg Biotinylated Human OX40, His Tag Per Well



Immobilized Biotinylated Human OX40, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human OX40 Ligand, hFc Tag with the EC50 of 3.9ng/ml determined by ELISA (QC Test).

SPR Data



Biotinylated Human OX40, His Tag immobilized on CM5 Chip can bind Human OX40 Ligand, hFc Tag with an affinity constant of 23.48 nM as determined in SPR assay (Biacore T200).