



Synonym

TNFRSF4,OX40,CD134,OX40L receptor,ACT35,TXGP1L

Source

Rat OX40, Fc Tag(OX0-R5253) is expressed from human 293 cells (HEK293).

It contains AA Val 20 - Pro 210 (Accession # [P15725](#)).

Predicted N-terminus: Val 20

Molecular Characterization

| | |
|----------------------------------|---------------------------------|
| OX40(Val 20 - Pro 210) P15725 | Fc(Pro 100 - Lys 330) P01857 |
|----------------------------------|---------------------------------|

This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 47.7 kDa. The protein migrates as 66 kDa under reducing (R) condition, and 150 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in

Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

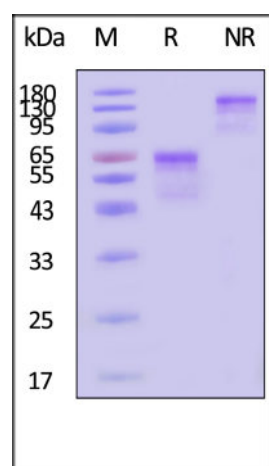
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

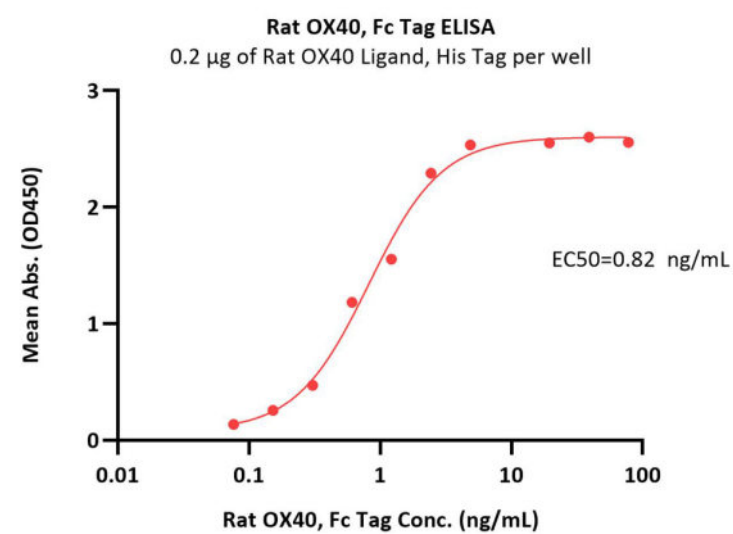
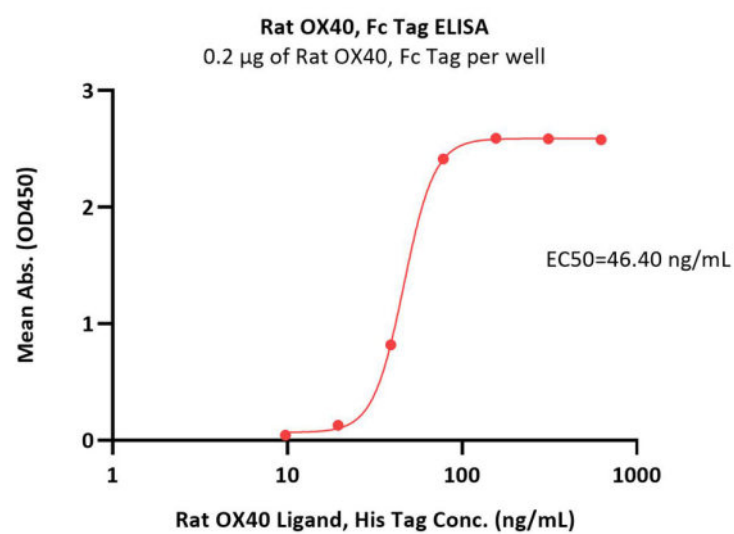


Rat OX40, Fc Tag on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA

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Immobilized Rat OX40, Fc Tag (Cat. No. OX0-R5253) at 2 µg/mL (100 µL/well) can bind Rat OX40 Ligand, His Tag (Cat. No. OXL-R5248) with a linear range of 10-78 ng/mL (Routinely tested).

Immobilized Rat OX40 Ligand, His Tag (Cat. No. OXL-R5248) at 2 µg/mL (100 µL/well) can bind Rat OX40, Fc Tag (Cat. No. OX0-R5253) with a linear range of 0.1-1 ng/mL (Routinely tested).

Background

Tumor necrosis factor receptor superfamily member 4 (TNFRSF4) is also known as ACT35 antigen, OX40L receptor, TAX transcriptionally-activated glycoprotein 1 receptor, CD antigen CD134, OX40. OX40 / TNFRSF4 contains four TNFR-Cys repeats. TNFRSF4 is receptor for TNFSF4 / OX40L / GP34 and can interact with TRAF2, TRAF3 and TRAF5.

Clinical and Translational Updates

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