



### Synonym

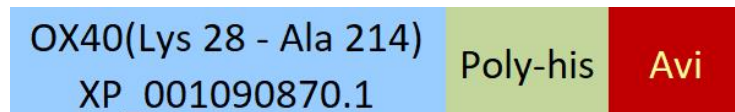
TNFRSF4,OX40,CD134,OX40L receptor,ACT35,TXGP1L

### Source

Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag(OX0-C82E9) is expressed from human 293 cells (HEK293). It contains AA Lys 28 - Ala 214 (Accession # [XP\\_001090870.1](#)).

Predicted N-terminus: Lys 28

### Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 23.8 kDa. The protein migrates as 40-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Labeling

*Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.*

### Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

### 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 PBS, pH7.4 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

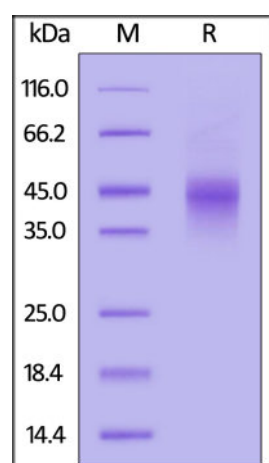
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

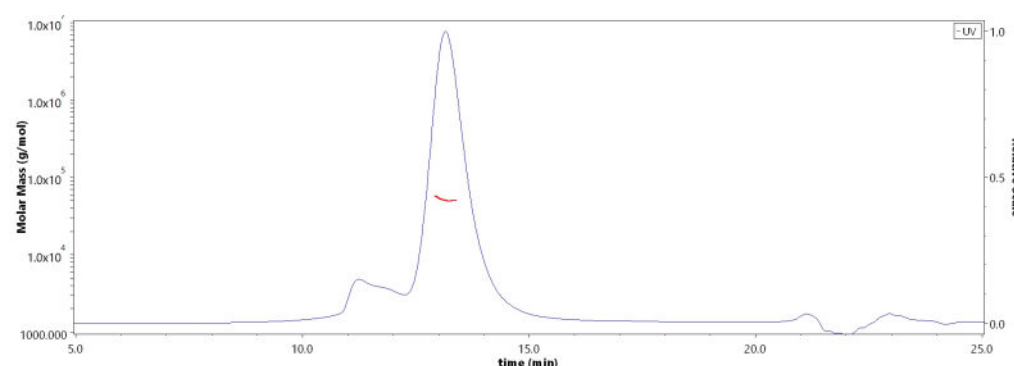
### SDS-PAGE



Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

### Bioactivity-ELISA

### SEC-MALS



The purity of Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag (Cat. No. OX0-C82E9) is more than 85% and the molecular weight of this protein is around 40-55 kDa verified by SEC-MALS.

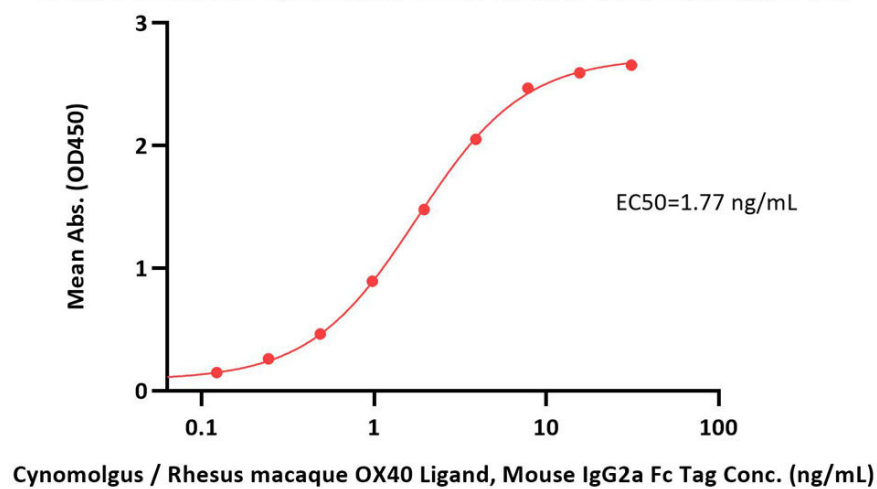
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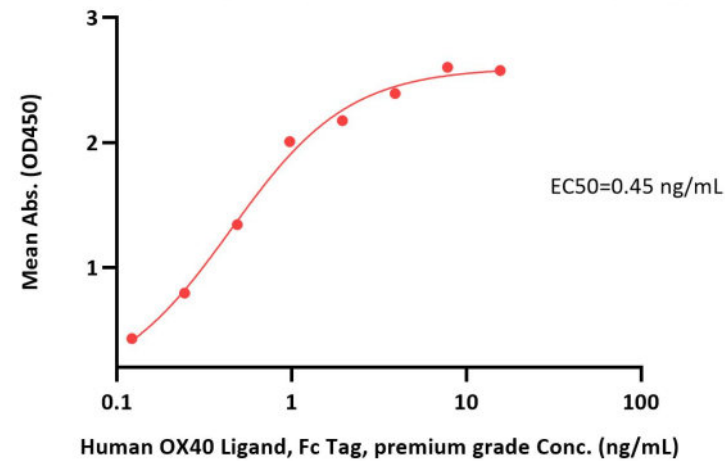


**Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag ELISA**  
0.1 µg of Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag per well



Immobilized Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag (Cat. No. OX0-C82E9) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Cynomolgus / Rhesus macaque OX40 Ligand, Mouse IgG2a Fc Tag (Cat. No. OXL-R5259) with a linear range of 0.1-4 ng/mL (QC tested).

**Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag ELISA**  
0.1 µg of Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag per well



Immobilized Biotinylated Cynomolgus / Rhesus macaque OX40, His,Avitag (Cat. No. OX0-C82E9) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Human OX40 Ligand, Fc Tag, premium grade (Cat. No. OXL-H5266) 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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