



### Synonym

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

### Source

Human OX40 Protein, Mouse IgG2a Fc Tag(OX0-H5252) is expressed from human 293 cells (HEK293). It contains AA Leu 29 - Ala 216 (Accession # [P43489-1](#)).

Predicted N-terminus: Leu 29

### Molecular Characterization

OX40(Leu 29 - Ala 216) P43489-1	mFc(Glu 98 - Lys 330) P01863
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This protein carries a mouse IgG2a Fc tag at the C-terminus.

The protein has a calculated MW of 47.1 kDa. The protein migrates as 58-66 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 0.1 EU per µg by the LAL method / rFC method.

### Purity

>95% 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

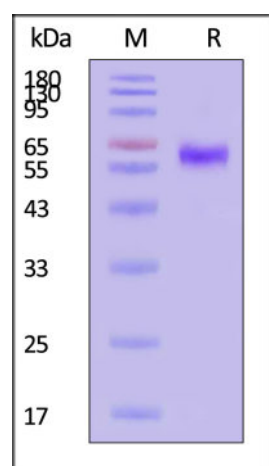
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

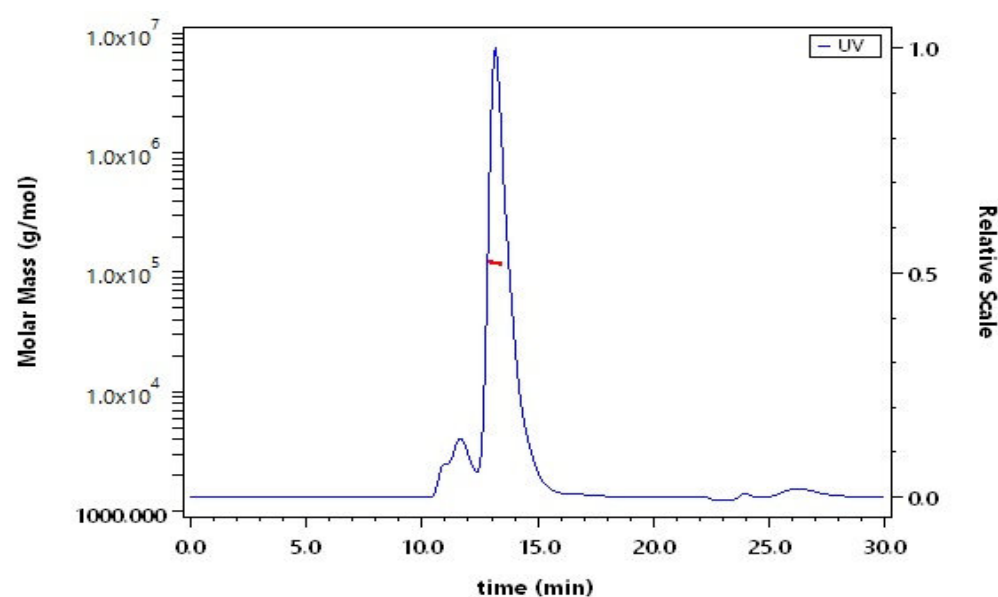
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE



Human OX40 Protein, Mouse IgG2a Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

### SEC-MALS



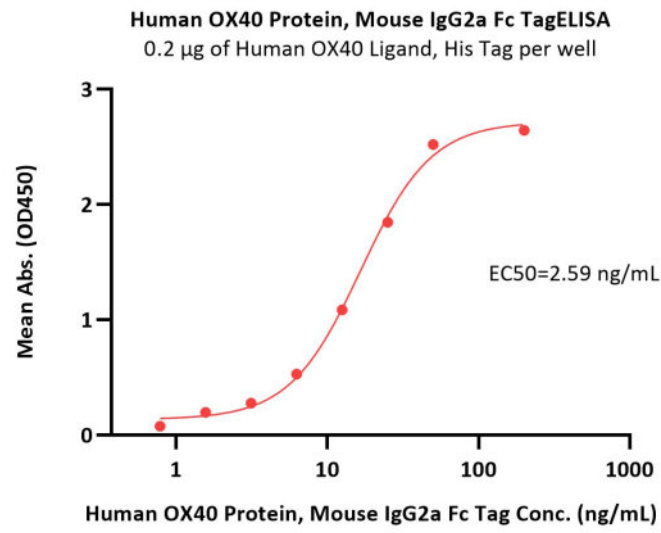
The purity of Human OX40 Protein, Mouse IgG2a Fc Tag (Cat. No. OX0-H5252) is more than 85% and the molecular weight of this protein is around 100-135 kDa verified by SEC-MALS.

[Report](#)

### Bioactivity-ELISA

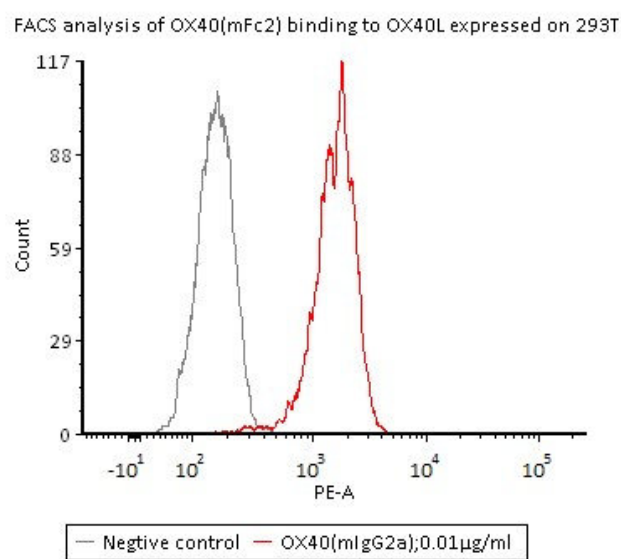
Discounts, Gifts,  
and more!





Immobilized Human OX40 Ligand, His Tag (Cat. No. OXL-H52Q8) at 2 µg/mL (100 µL/well) can bind Human OX40 Protein, Mouse IgG2a Fc Tag (Cat. No. OX0-H5252) with a linear range of 0.78-25 ng/mL (QC tested).

**Bioactivity-FACS**



FACS assay shows that recombinant Human OX40 Protein, Mouse IgG2a Fc Tag (Cat. No. OX0-H5252) can bind to 293T cell overexpressing human OX40L. The concentration of OX40 is 0.01 µg/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.

