

# Cynomolgus OX40 Protein; His Tag

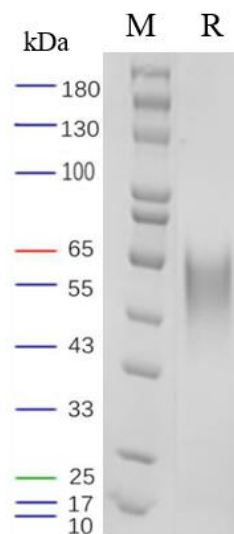
## Product Information

<b>Product Name</b>	Cynomolgus OX40 Protein; His Tag
<b>Storage temp.</b>	Store at $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
<b>Catalog# / Size</b>	<b>GM-87517RP-100 / 100 <math>\mu\text{g}</math></b> <b>GM-87517RP-1000 / 1 mg</b>

## Protein Information

<b>Alternative Names</b>	TNFRSF4,OX40,CD134,ACT35,TXGP1L
<b>Source</b>	Cynomolgus OX40 Protein; His Tag (GM-87517RP) is expressed from human 293 cells (HEK-293). It contains AA Lys 28 - Ala 214 (Accession # A0A8D2EZ16).  This protein carries a His tag at the C-terminus.
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Endotoxin</b>	< 1 EU/ $\mu\text{g}$ , determined by LAL gel clotting assay
<b>Predicted Mol Mass</b>	21.3 KDa
<b>Formulation</b>	Supplied as a 0.2 $\mu\text{m}$ filtered solution of PBS, pH7.4.
<b>Description</b>	OX40 protein, also known as CD134, is a protein on the cell membrane belonging to the TNF receptor superfamily. It plays an important role in immune regulation, particularly in regulating T cell function. OX40 is a co-stimulatory molecule with its ligand being OX40L. When OX40 binds to its ligand OX40L, it activates signaling pathways, thereby promoting the survival, proliferation, and function of T cells. Studies have shown that utilizing OX40 protein as a target in immunotherapy can enhance anti-tumor immune responses, treat autoimmune diseases, and play a role in infectious diseases and transplant rejection reactions. Thus, OX40 protein and its signaling pathways are of significant importance in immune regulation and disease treatment.

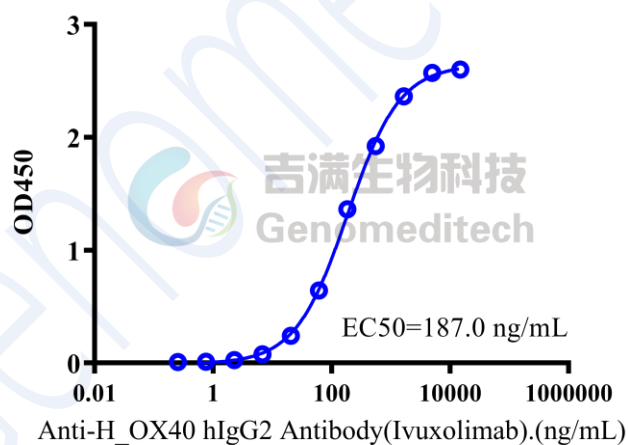
## SDS-PAGE



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

## Bioactivity-ELISA

**Cynomolgus OX40 Protein; His Tag, ELISA**  
**0.6  $\mu$ g Anti-His mIgG2a Antibody+0.1  $\mu$ g Cynomolgus OX40 Protein; His Tag of per well**



Cynomolgus OX40 Protein; His Tag (Catalog # GM-87517RP) was immobilized at 1  $\mu$ g/ml (100  $\mu$ L/well) on Anti-His mIgG2a Antibody (Catalog # GM-59493AB) (0.6  $\mu$ g/well) precoated. Increasing concentrations of Anti-H\_OX40 hIgG2 Antibody (Ivuxolimab) (Catalog # GM-23373AB) were added.