

## PRODUCT INFORMATION

<b>Target</b>	OX40
<b>Synonyms</b>	TNFRSF4;OX40;CD134;OX40L receptor;ACT35;TXGP1L
<b>Description</b>	Recombinant human OX40 protein with C-terminal human Fc and 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P43489
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc and 6×His Tag
<b>Molecular Characterization</b>	OX40(Leu29-Ala214) hFc(Glu99-Ala330) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 47.2 kDa after removal of the signal peptide.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage&amp;Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2IL1/BCL2-XL, and thus suppresses apoptosis. The knockout studies also suggested the roles of this receptor in CD4 T cell response, as well as in T cell-dependent B cell proliferation and differentiation.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



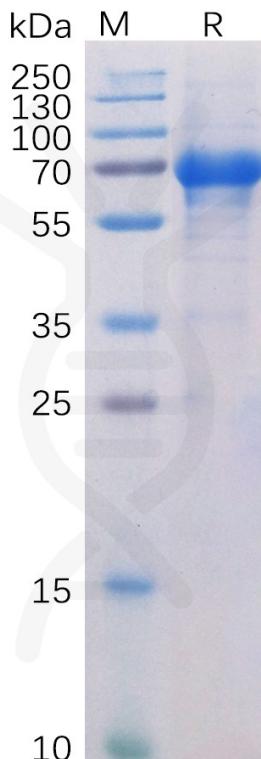
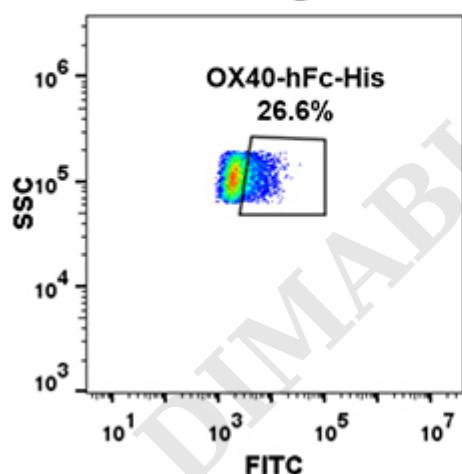
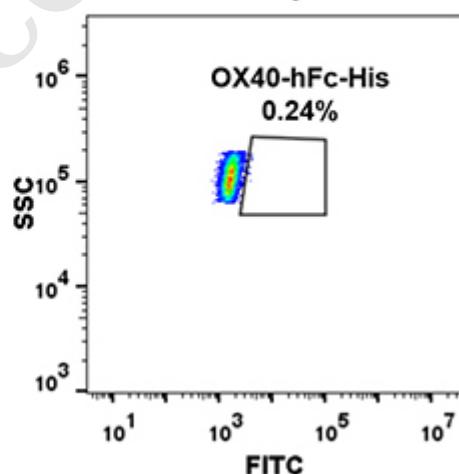


Figure 1. Human OX40 Protein, hFc-His Tag on SDS-PAGE under reducing condition.

**A****OX40 Ligand****B****irrelevant protein**Figure 2. HEK293 cell line transfected with irrelevant protein (B) and human OX40 Ligand (A) were surface stained with Human OX40, hFc-His tagged protein (PME100022) 1  $\mu$ g/ml followed by Alexa 488-conjugated anti-human IgG secondary antibody.

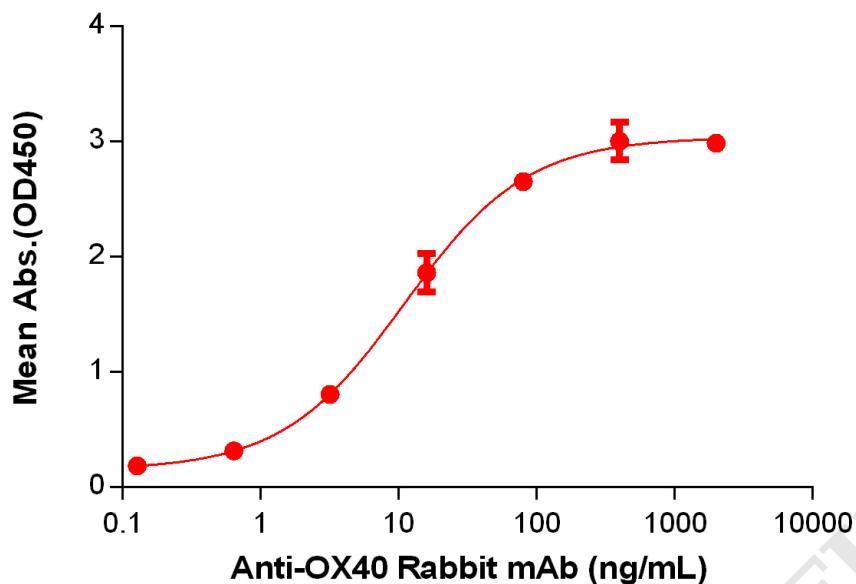
**Human OX40, hFc-His tagged protein ELISA**0.1  $\mu$ g of Human OX40, hFc-His tagged protein per well

Figure 3. ELISA plate pre-coated by 1  $\mu$ g/mL (100  $\mu$ L/well) Human OX40 Protein, hFc-His Tag (PME100022) can bind Anti-OX40 Rabbit mAb in a linear range of 3.2-80 ng/mL.

