PRODUCT INFORMATION

Target	OX40
Synonyms	TNFRSF4;OX40;CD134;OX40L receptor;ACT35;TXGP1L
Description	Recombinant human OX40 protein with C-terminal human Fc and 6×His tag
Delivery	In Stock
Uniprot ID	P43489
Expression Host	HEK293
Tag	C-Human Fc and 6×His Tag
Molecular Characterization	OX40(Leu29-Ala214) hFc(Glu99-Ala330) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 47.2 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	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.
Storage&Shipping	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.
Background	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.
Usage	Research use only
Conjugate	Unconjugated

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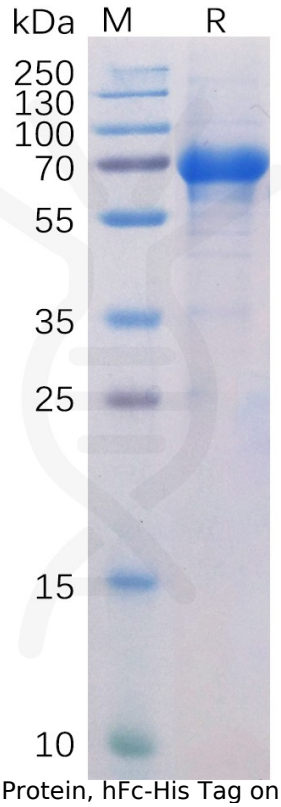


Figure 1. Human OX40 Protein, hFc-His Tag on SDS-PAGE under reducing condition.

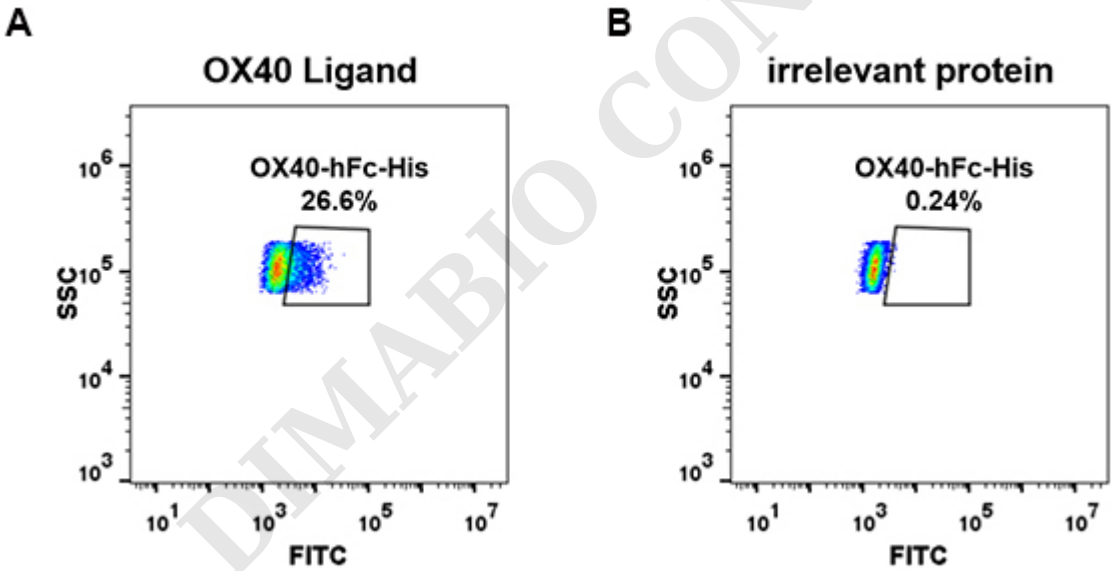


Figure 2. HEK293 cell line transfected with irrelevant protein (B) and human OX40 Ligand (A) were surface stained with Human OX40, hFc-His tagged protein (PME100022) 1 μg/ml followed by Alexa 488-conjugated anti-human IgG secondary antibody.

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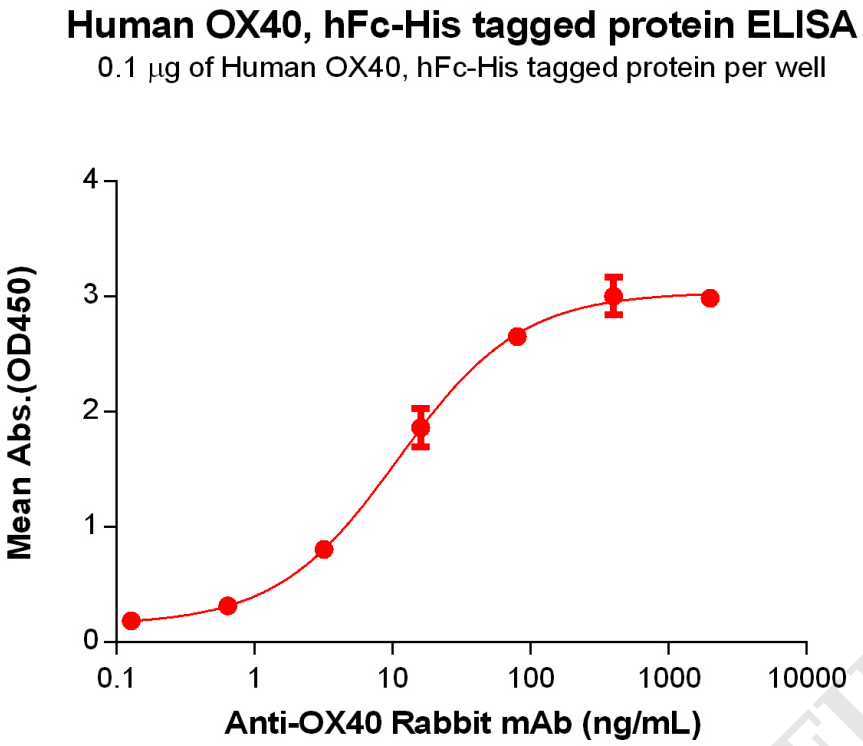


Figure 3. ELISA plate pre-coated by 1 μg/mL (100 μL/well) Human OX40 Protein, hFc-His Tag (PME100022) can bind Anti-OX40 Rabbit mAb in a linear range of 3.2-80 ng/mL.

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