

**PRODUCT INFORMATION**

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|---|---|
| <b>Target</b>                           | OX40  |
| <b>Synonyms</b>                         | TNFRSF4;OX40;CD134;OX40L<br>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 BCL2L1/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  |



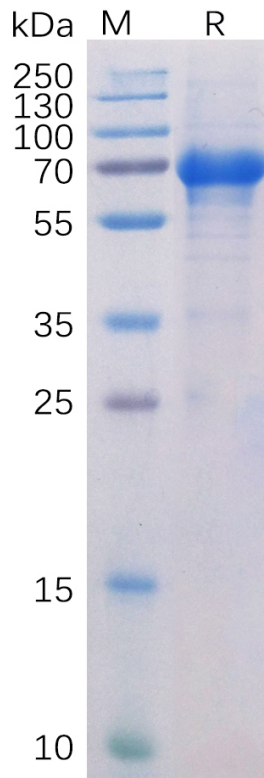


Figure 1. Human OX40 Protein, hFc-His Tag on SDS-PAGE under reducing condition.

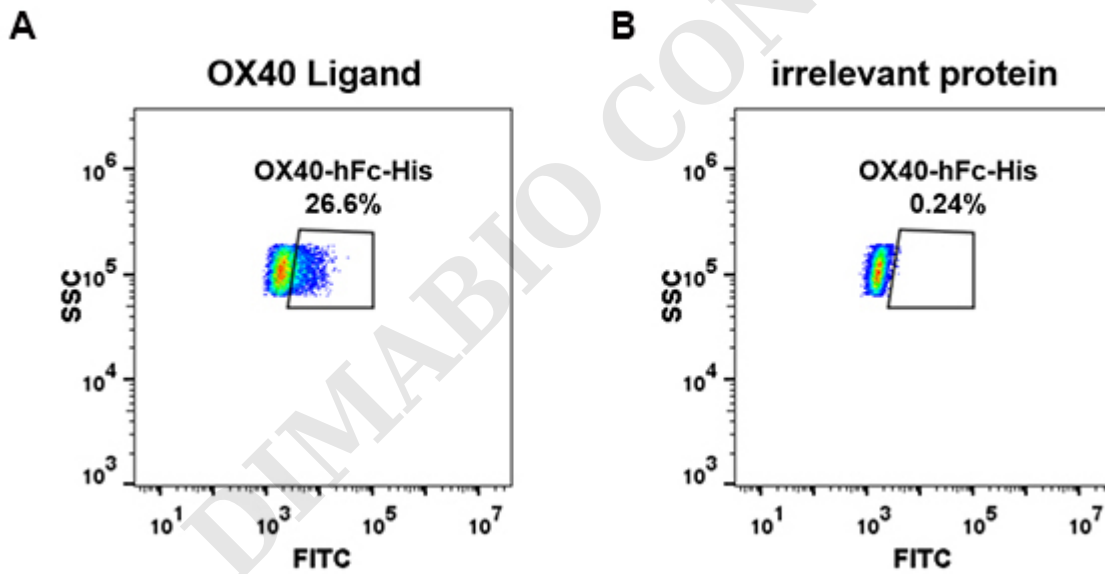


Figure 2. HEK293 cell line transfected with irrelevant protein (B) and human OX40 Ligand (A) were surface stained with Human OX40, hFc-His tagged protein (PME100022) 1 µg/ml followed by Alexa 488-conjugated anti-human IgG secondary antibody.



### Human OX40, hFc-His tagged protein ELISA

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

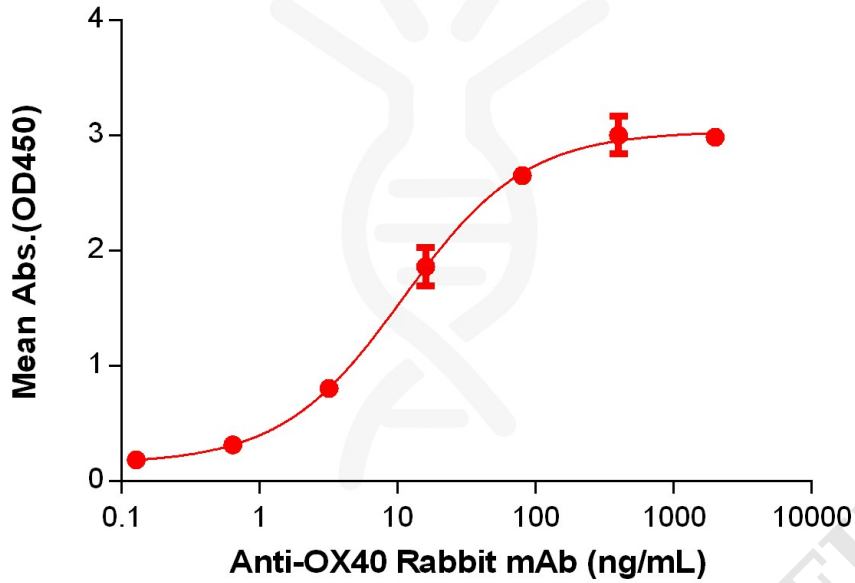


Figure 3. ELISA plate pre-coated by 1  $\mu$ g/mL (100  $\mu$ L/well) Human OX40 Protein, hFc-His Tag (PME100022) can bind Anti-OX40 Rabbit mAb in a linear range of 3.2-80 ng/mL.

