

**PRODUCT INFORMATION**

<b>Target</b>	IL7RA
<b>Synonyms</b>	CD127;CDW127;IL-7R-alpha;IL7RA;ILRA
<b>Description</b>	Recombinant Human IL7RA with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P16871
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc Tag
<b>Molecular Characterization</b>	IL7RA(Glu21-Gly236) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 51.0 kDa after removal of the signal peptide. The apparent molecular mass of IL7RA-hFc is approximately 55-100 kDa due to glycosylation.
<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 receptor for interleukin 7 (IL7). The function of this receptor requires the interleukin 2 receptor, gamma chain (IL2RG), which is a common gamma chain shared by the receptors of various cytokines, including interleukins 2, 4, 7, 9, and 15. This protein has been shown to play a critical role in V(D)J recombination during lymphocyte development. Defects in this gene may be associated with severe combined immunodeficiency (SCID). Alternatively spliced transcript variants have been found. [provided by RefSeq, Dec 2015]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



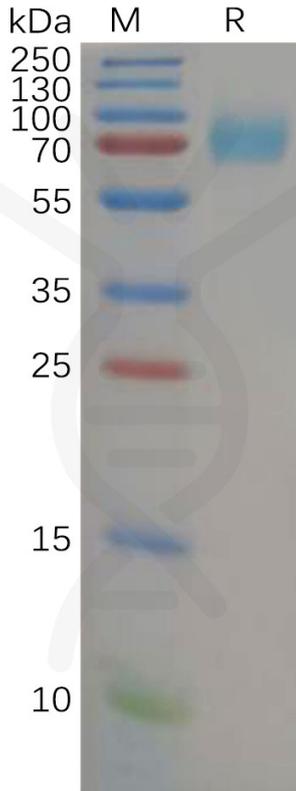


Figure 1. Human IL7RA Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human IL7RA,hFc Tagged protein ELISA

0.2 µg of Human IL7RA, hFc tagged protein per well

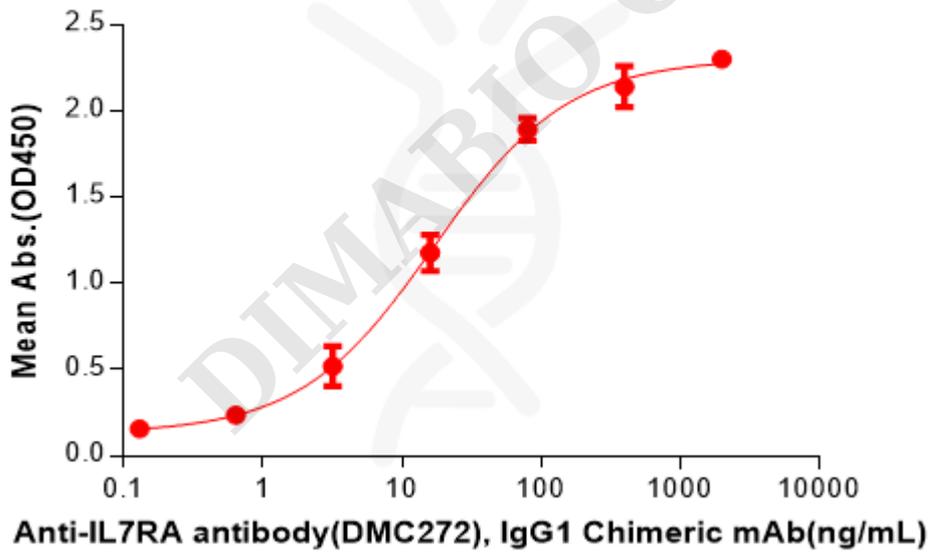


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL7RA Protein, hFc Tag(PME100840) can bind Anti-IL7RA antibody(DMC272), IgG1 Chimeric mAb in a linear range of 3.20-80 ng/mL.



## Human IL7RA, hFc Tagged protein ELISA

0.2  $\mu$ g of Human IL7RA, hFc tagged protein per well

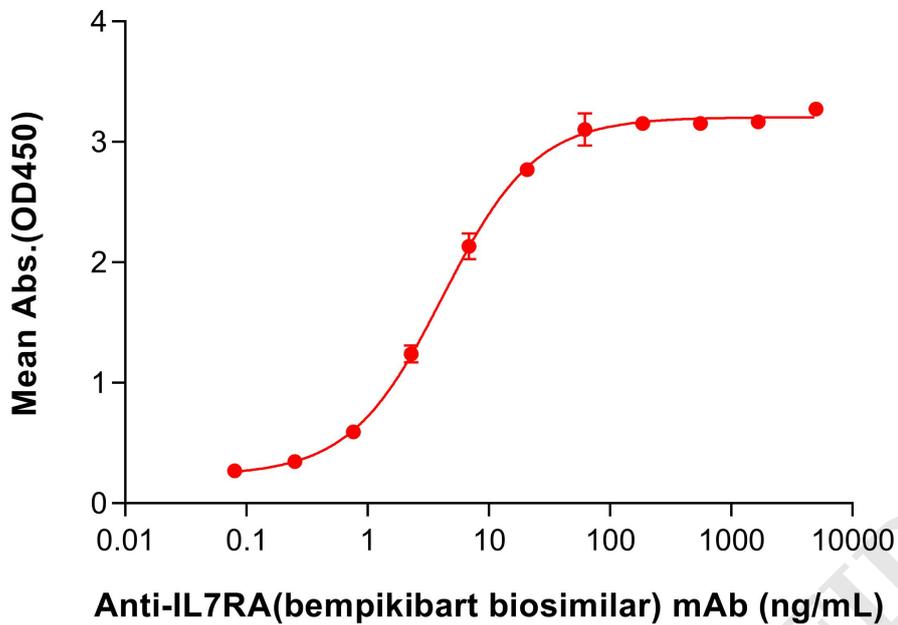


Figure 3. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human IL7RA Protein, hFc Tag (PME100840) can bind Anti-IL7RA(bempikibart biosimilar) mAb (BME100428) in a linear range of 0.76–20.58 ng/mL, mouse anti-human Fab-specific antibody was used as detection antibody.

