

## **PRODUCT INFORMATION**

IL7RA **Target** 

**Synonyms** CD127;CDW127;IL-7R-alpha;IL7RA;ILRA

Recombinant Human IL7RA with C-terminal **Description** 

human Fc tag

**Delivery** In Stock **Uniprot ID** P16871 **Expression Host HEK293** 

Tag C-Human Fc Tag

Molecular

Storage & Shipping

**Background** 

IL7RA(Glu21-Gly236) hFc(Glu99-Ala330) Characterization

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 **Molecular Weight** 

approximately 55-100 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions of reconstitution. 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.

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]

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Usage Research use only

Conjugate Unconjugated

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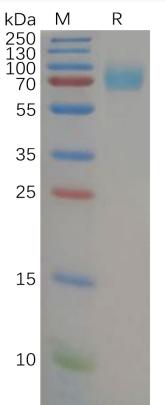


Figure 1. Human IL7RA Protein, hFc Tag on SDS-PAGE under reducing condition.

## Human IL7RA,hFc Tagged protein ELISA

0.2 µg of Human IL7RA, hFc tagged protein per well

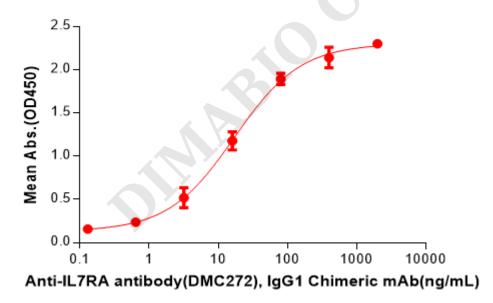


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human IL7RA Protein, hFc Tag(PME100840) can bind Anti-IL7RA antibody(DMC272), IgG1 Chimeric mAb in a linear range of 3.20–80 ng/mL.

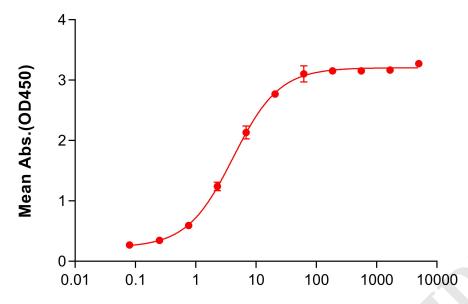
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## **Human IL7RA**, hFc Tagged protein ELISA

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



Anti-IL7RA(bempikibart biosimilar) mAb (ng/mL)

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.

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