

PRODUCT INFORMATION

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target                       | IL7RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Synonyms                     | CD127;CDW127;IL-7R-alpha;IL7RA;ILRA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Description                  | Recombinant Human IL7RA with C-terminal human Fc tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Delivery                     | In Stock                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Uniprot ID                   | P16871                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Expression Host              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tag                          | C-Human Fc Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Molecular Characterization   | IL7RA(Glu21-Gly236) hFc(Glu99-Ala330)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Molecular Weight             | 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.                                                                                                                                                                                                                                                                                                                                                                                          |
| 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.                                                                                                                                                                                                                                                                                                                             |
| Sterility                    | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Background                   | 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] |
| Usage                        | Research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Conjugate                    | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



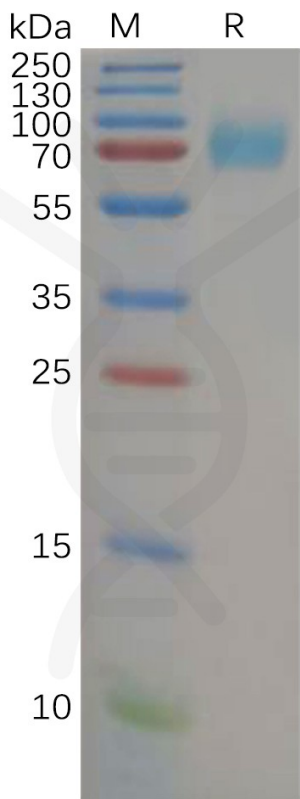


Figure 1. Human IL7RA Protein, hFc Tag on SDS-PAGE under reducing condition.

**Human IL7RA,hFc Tagged protein ELISA**  
0.2 µg of Human IL7RA, hFc tagged protein per well

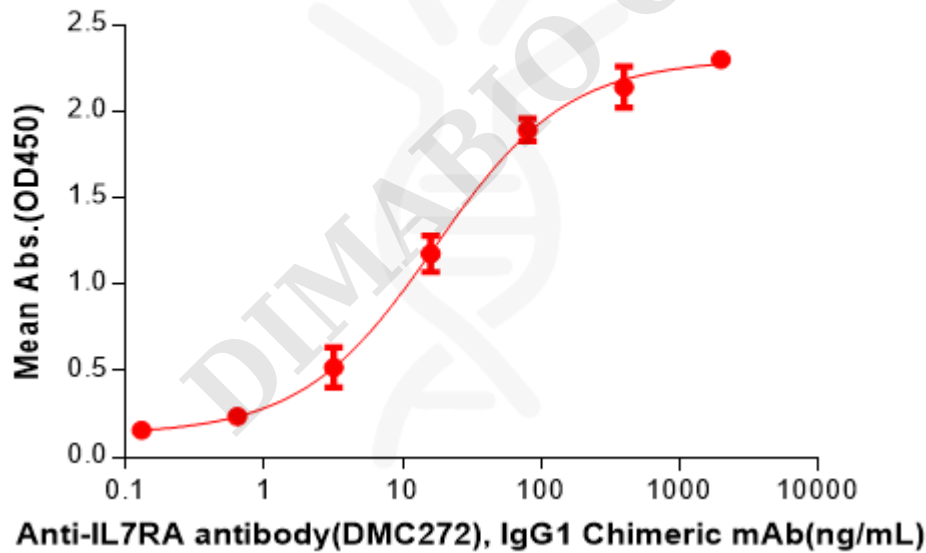


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL7RA Protein, hFc Tag(PME100840) can bind Anti-IL7RA antibody(DMC272), IgG1 Chimeric mAb in a linear range of 3.20-80 ng/mL.



**Human IL7RA, hFc Tagged protein ELISA**

0.2 µg of Human IL7RA, hFc tagged protein per well

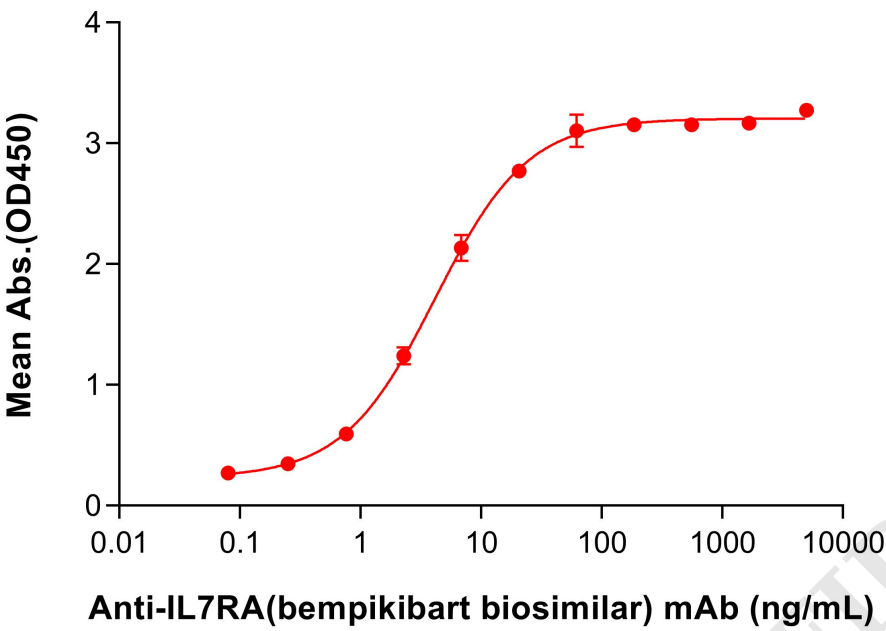


Figure 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL7RA Protein, hFc Tag (PME100840) can bind Anti-IL7RA(bempikibart biosimilar) mAb (BME100428) in a linear range of 0.76–20.58 ng/mL, mouse anti-human Fab-specific antibody was used as detection antibody.

