

Datasheet for ABIN6964160
IL7R Protein (AA 21-236) (Fc Tag)



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2 Images

Overview

| | |
|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | IL7R |
| Protein Characteristics: | AA 21-236 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This IL7R protein is labelled with Fc Tag. |

Product Details

| | |
|------------------|---|
| Purpose: | Recombinant Human IL7RA with C-terminal human Fc tag |
| Specificity: | IL7RA (Glu21-Gly236) hFc (Glu99-Ala330) |
| Characteristics: | Extracellular Domain Protein |
| Purification: | Purified from cell culture supernatant by affinity chromatography |
| Purity: | The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining. |

Target Details

| | |
|-------------------|--|
| Target: | IL7R |
| Alternative Name: | IL7RA (IL7R Products) |
| Background: | The protein encoded by this gene is a receptor for interleukin 7 (IL7). The function of this |

Target Details

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]

Molecular Weight: predicted molecular mass of 51.0 kDa after removal of the signal peptide. The apparent molecular mass of IL7RA-hFc is 55-100 kDa due to glycosylation.

UniProt: [P16871](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Production of Molecular Mediator of Immune Response](#), [Regulation of Cell Size](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization.

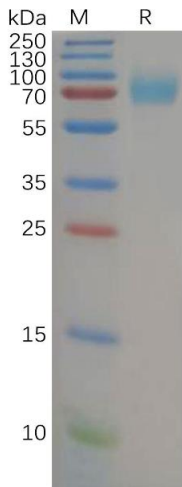
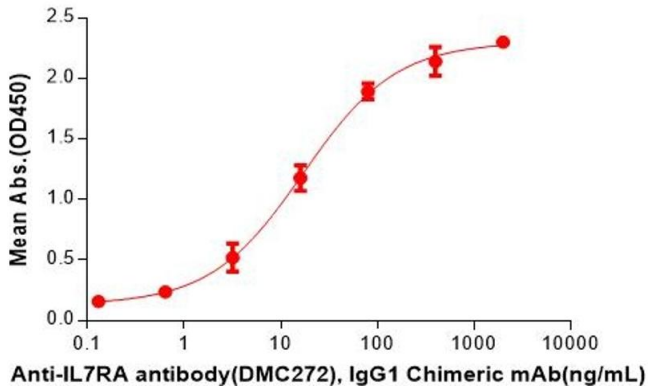
Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months

Human IL7RA,hFc Tagged protein ELISA

0.2 µg of Human IL7RA, hFc tagged protein per well



ELISA

Image 1. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL7RA Protein, hFc Tag (ABIN6964160, ABIN7042593 and ABIN7042594) can bind Anti-IL7RA antibody, IgG1 Chimeric mAb in a linear range of 3.20-80 ng/mL.

SDS-PAGE

Image 2. Human IL7RA Protein, hFc Tag on SDS-PAGE under reducing condition.