## PRODUCT INFORMATION

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|---|---|
| **Target** | IL1RA |
| **Synonyms** | P80; IL1R; CRMO3; IL1R1; CD121A; D2S1473; IL-1RT1; IL-1R-alpha |
| **Description** | Recombinant human IL1RA Protein with C-terminal mouse Fc tag |
| **Delivery** | In Stock |
| **Uniprot ID** | P14778 |
| **Expression Host** | HEK293 |
| **Tag** | C-mouse Fc tag |
| **Molecular Characterization** | IL1RA(Leu18-Thr332) mFc(Pro99-Lys330) |
| **Molecular Weight** | The protein has a predicted molecular mass of 62.4 kDa after removal of the signal peptide. The apparent molecular mass of IL1RA-mFc is approximately 70-100 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. |
| **Background** | This gene encodes a cytokine receptor that belongs to the interleukin-1 receptor family. The encoded protein is a receptor for interleukin-1 alpha, interleukin-1 beta, and interleukin-1 receptor antagonist. It is an important mediator involved in many cytokine-induced immune and inflammatory responses. This gene is located in a cluster of related cytokine receptor genes on chromosome 2q12. [provided by RefSeq, Dec 2013] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

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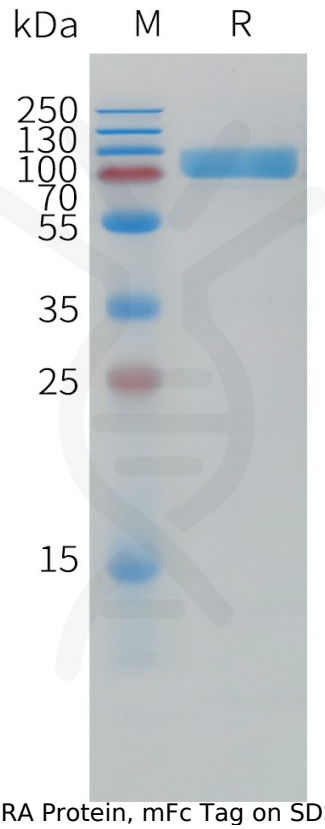



Figure 1. Human IL1RA Protein, mFc Tag on SDS-PAGE under reducing condition.

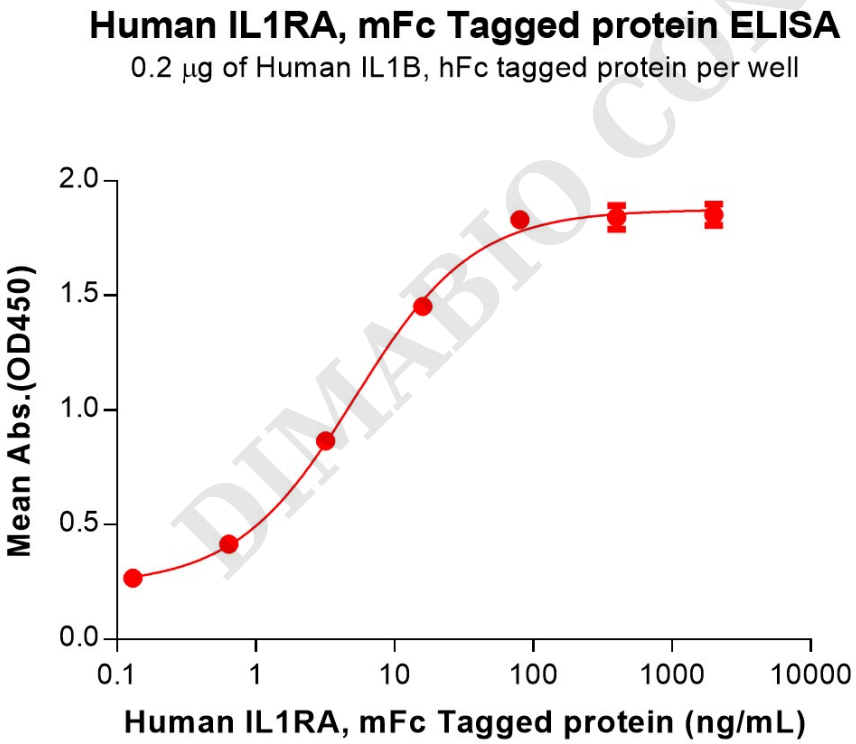



Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human IL1B Protein, hFc Tag (PME100838) can bind Human IL1RA Protein, mFc Tag (PME101500) in a linear range of 0.64–80 ng/mL.

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