

PRODUCT INFORMATION

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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
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



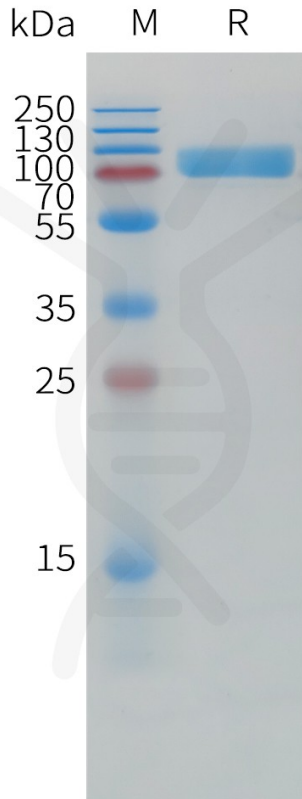


Figure 1. Human IL1RA Protein, mFc Tag on SDS-PAGE under reducing condition.

Human IL1RA, mFc Tagged protein ELISA

0.2 µg of Human IL1B, hFc tagged protein per well

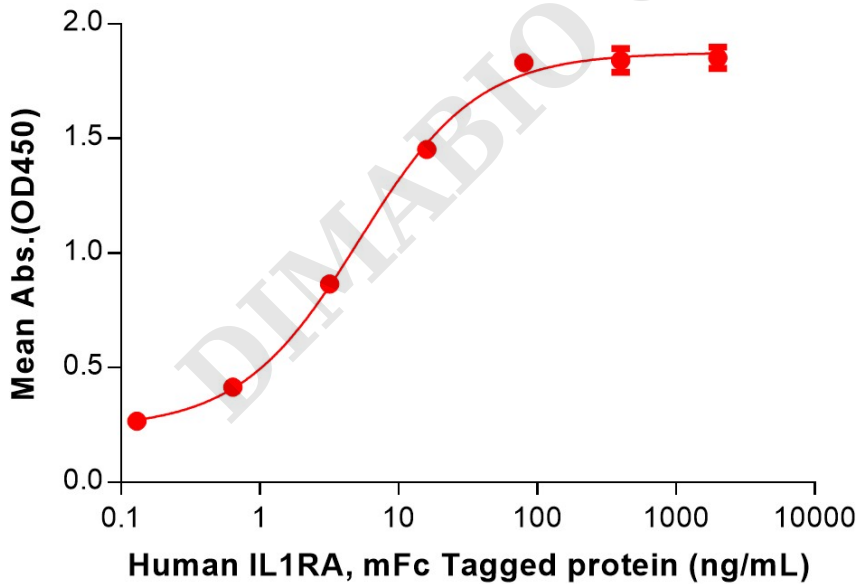


Figure 2. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human IL1B Protein, hFc Tag (PME100838) can bind Human IL1RA Protein, mFc Tag (PME101500) in a linear range of 0.64–80 ng/mL.

