PRODUCT INFORMATION

Target	IL1R2
Synonyms	IL-1RT2;IL1RB;CDw121b;IL-1R-beta;CD121b
Description	Recombinant human IL1R2 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P27930
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	IL1R2(Phe14-Glu343) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 38.6 kDa after removal of the signal peptide. The apparent molecular mass of IL1R2-His is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% 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	The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Alternative splicing results in multiple transcript variants and protein isoforms. Alternative splicing produces both membrane-bound and soluble proteins. A soluble protein is also produced by proteolytic cleavage. [provided by RefSeq, May 2012]
Usage	Research use only
Conjugate	Unconjugated

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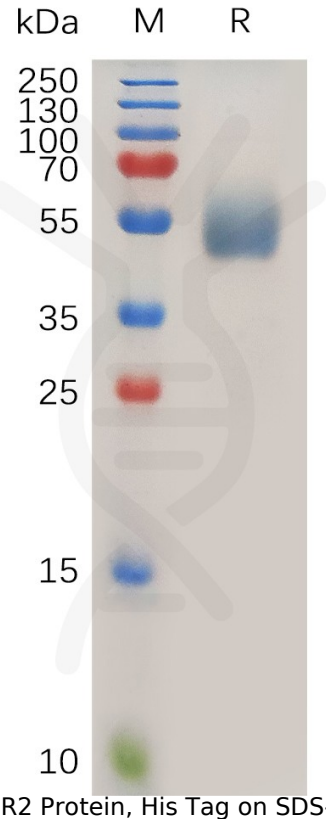


Figure 1. Human IL1R2 Protein, His Tag on SDS-PAGE under reducing condition.

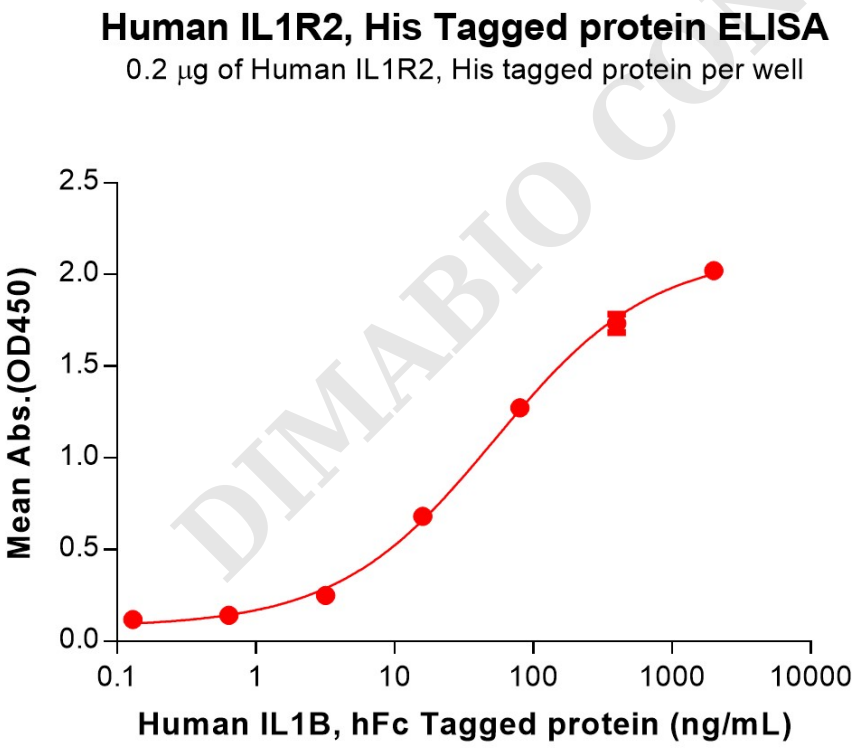


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human IL1R2 Protein, His Tag (PME100748) can bind Human IL1B Protein, hFc Tag (PME100838) in a linear range of 3.20–400 ng/mL.

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