PRODUCT INFORMATION

Target	IL13RA1
Synonyms	CD213A1;CT19;IL-13Ra;NR4
Description	Recombinant Human IL13RA1 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P78552
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	IL13RA1(Gly22-Thr343) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 37.7 kDa after removal of the signal peptide.The apparent molecular mass of IL13RA1-His is approximately 55-70 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	The protein encoded by this gene is a subunit of the interleukin 13 receptor. This subunit forms a receptor complex with IL4 receptor alpha, a subunit shared by IL13 and IL4 receptors. This subunit serves as a primary IL13-binding subunit of the IL13 receptor, and may also be a component of IL4 receptors. This protein has been shown to bind tyrosine kinase TYK2, and thus may mediate the signaling processes that lead to the activation of JAK1, STAT3 and STAT6 induced by IL13 and IL4. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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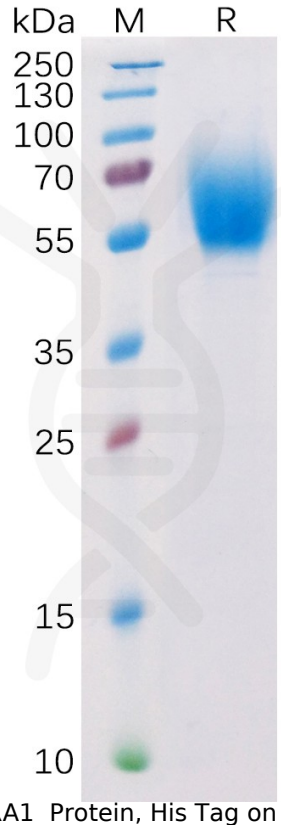


Figure 1. Human IL13RA1 Protein, His Tag on SDS-PAGE under reducing condition.

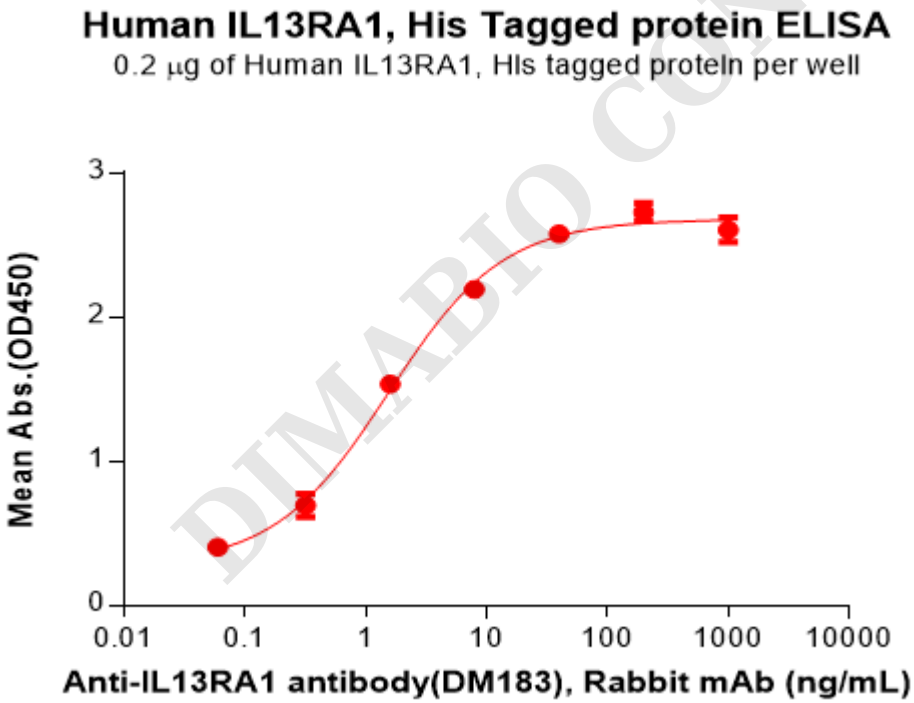


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human IL13RA1 Protein, His Tag(PME100291) can bind Anti-IL13RA1 antibody(DM183), Rabbit mAb in a linear range of 0.32–8.0 ng/mL.

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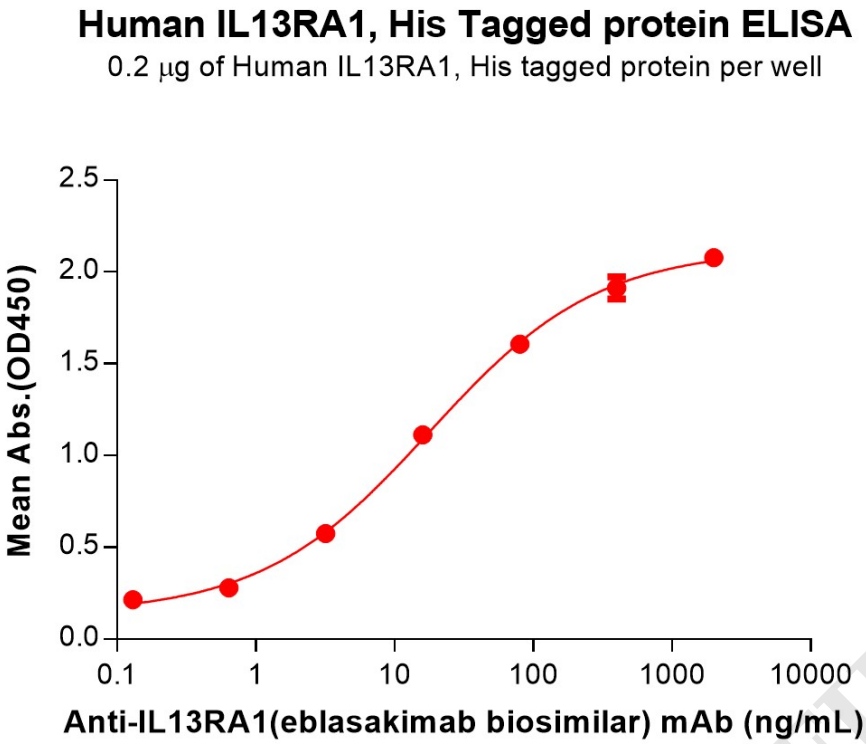


Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human IL13RA1 Protein, His Tag (PME100291) can bind Anti-IL13RA1(eblasakimab biosimilar) mAb (BME100240) in a linear range of 0.64–80 ng/mL.

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