PRODUCT INFORMATION

Target	ST2
Synonyms	T1; IL1RL1; DER4; ST2L; ST2V; FIT-1; IL33R
Description	Recombinant human ST2 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q01638
Expression Host	HEK293
Tag	C-6×His tag
Molecular Characterization	ST2(Lys19-Ser328) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 35.8 kDa after removal of the signal peptide. The apparent molecular mass of ST2-His is approximately 35-70 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.
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 member of the interleukin 1 receptor family. Studies of the similar gene in mouse suggested that this receptor can be induced by proinflammatory stimuli, and may be involved in the function of helper T cells. This gene, interleukin 1 receptor, type I (IL1R1), interleukin 1 receptor, type II (IL1R2) and interleukin 1 receptor-like 2 (IL1RL2) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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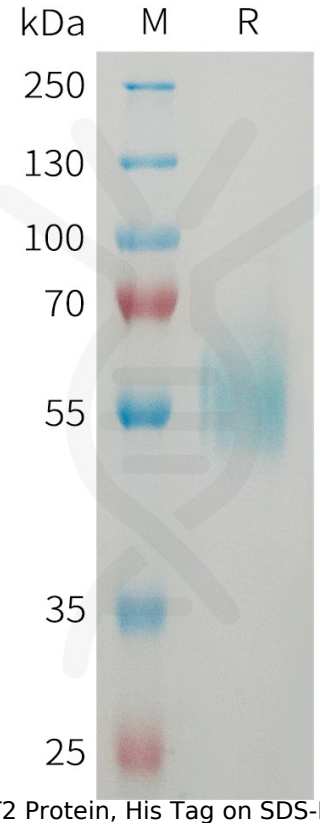


Figure 1. Human ST2 Protein, His Tag on SDS-PAGE under reducing condition.

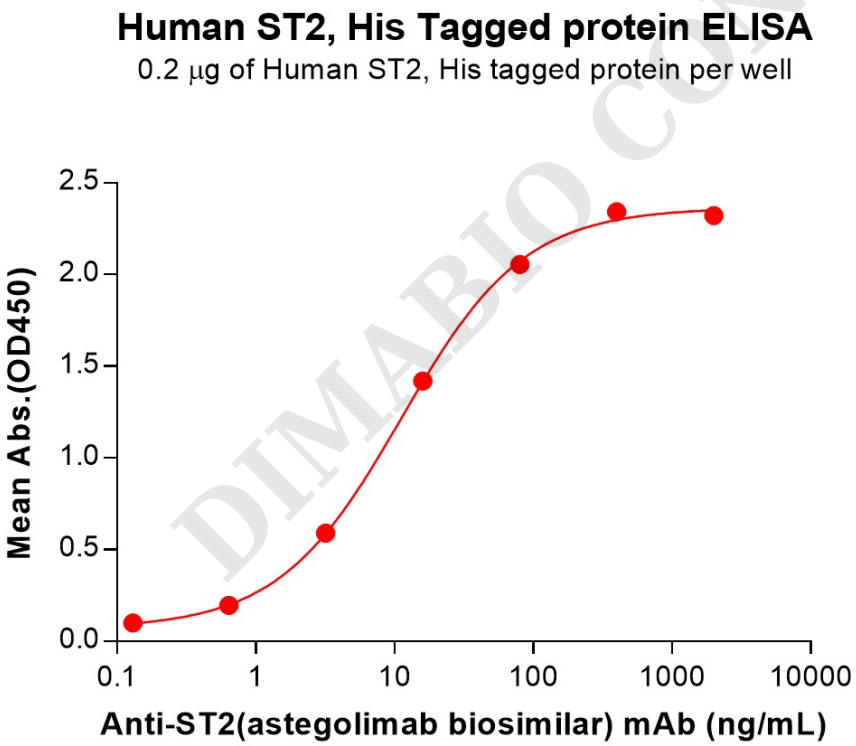


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human ST2 Protein, His Tag (PME101359) can bind Anti-ST2(astegolimab biosimilar) mAb (BME100263) in a linear range of 0.64–80 ng/mL.

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