

## PRODUCT INFORMATION

<b>Target</b>	ST2
<b>Synonyms</b>	T1; IL1RL1; DER4; ST2L; ST2V; FIT-1; IL33R
<b>Description</b>	Recombinant human ST2 Protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q01638
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His tag
<b>Molecular Characterization</b>	ST2(Lys19-Ser328) 6×His tag
<b>Molecular Weight</b>	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.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage&amp;Shipping</b>	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.
<b>Background</b>	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]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



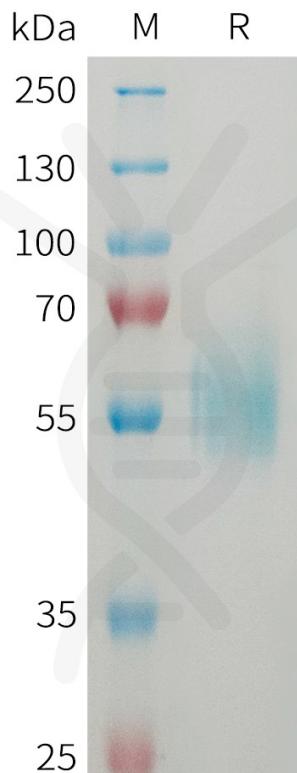
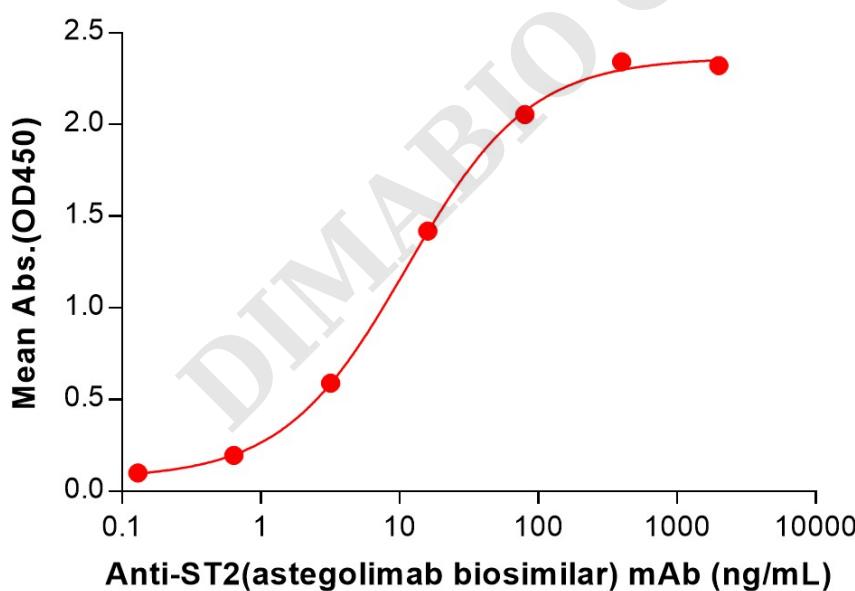


Figure 1. Human ST2 Protein, His Tag on SDS-PAGE under reducing condition.

### Human ST2, His Tagged protein ELISA

0.2  $\mu$ g of Human ST2, His tagged protein per well

Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human ST2 Protein, His Tag (PME101359) can bind Anti-ST2(astegeolimab biosimilar) mAb (BME100263) in a linear range of 0.64-80 ng/mL.