



## ST2 Antibody [ST33868]

CATALOG NUMBER: 36-046

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: (direct or indirect: 1:2,000-1:5,000). Western blot: (1:2,000-1:5,000 using ECL. Suggested blocking and dilution buffer is PBST with 0.05% Tween 20 and 5% skim milk. Suggested incubation time is 1 hour at room temperature). Optimal conditions should be determined individually for each application.
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>SPECIFICITY:</b>	Recognizes human ST2.
<b>IMMUNOGEN:</b>	Recombinant human soluble ST2.
<b>HOST SPECIES:</b>	Mouse

### Properties

<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Liquid. 0.2um-filtered solution in PBS, pH 7.4. Contains no preservatives.
<b>CONCENTRATION:</b>	1 mg/ml
<b>STORAGE CONDITIONS:</b>	Stable for at least 1 year after receipt when stored at -20°C.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	IgG1, kappa
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	Interleukin-1 Receptor-like 1; IL-1 Receptor-like 1; IL1RL1; IL-33 Receptor; Interleukin-33 Receptor
<b>ACCESSION NO.:</b>	Q01638
<b>PROTEIN GI NO.:</b>	116242527
<b>OFFICIAL SYMBOL:</b>	IL1RL1
<b>GENE ID:</b>	9173

### Background

<b>BACKGROUND:</b>	The ST2 gene was originally identified as a gene induced by serum or oncogene expression in fibroblasts. The gene produces a shorter soluble secreted form (ST2) and a longer, transmembrane form (ST2L) by alternative splicing. Soluble ST2 has been shown to downregulate the expression of TLR1 and TLR4. ST2L negatively regulates TLR4 signaling and induces endotoxin tolerance, and enhances Th2 responses. IL-33 is the specific ligand for ST2L.
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