

For Research Use Only

# IL-1RL1/ST2 Monoclonal antibody, PBS Only

Catalog Number: 60112-1-PBS



## Basic Information

<b>Catalog Number:</b> 60112-1-PBS	<b>GenBank Accession Number:</b> BC030975	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9173	<b>CloneNo.:</b> 7A2A7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q01638	
<b>Isotype:</b> IgG1	<b>Full Name:</b> interleukin 1 receptor-like 1	
<b>Immunogen Catalog Number:</b> AG2555	<b>Calculated MW:</b> 63 kDa, 37 kDa, 30 kDa	
	<b>Observed MW:</b> 63 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
human, mouse, rat, pig

## Background Information

ST2, also known as IL1RL1, is a member of the IL-1 superfamily and serves as the receptor for IL-33. It plays a major role in immune and inflammatory responses. ST2 is expressed by various types of immune cells including Th2 cells, mast cells, type 2 innate lymphoid cells, eosinophils, basophils, NK cells, and non-immune cells, including cardiomyocytes. Two forms of ST2 exist: a membrane-bound form and a soluble form (sST2). The membrane-bound form activates the MyD88/NF- $\kappa$ B signaling pathway to enhance mast cell, Th2, regulatory T cell (Treg), and innate lymphoid cell type 2 functions. sST2 acts as a decoy receptor. (PMID: 27055914; 23999434; 28484466)

## Storage

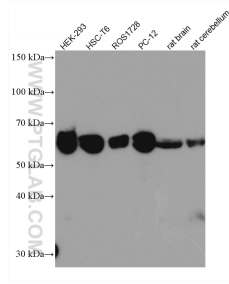
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60112-1-Ig (ST2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60112-1-PBS in a different storage buffer formulation.