

For Research Use Only

# IL-1RL1/ST2 Monoclonal antibody

Catalog Number: 60112-1-Ig **17 Publications**



## Basic Information

<b>Catalog Number:</b> 60112-1-Ig	<b>GenBank Accession Number:</b> BC030975	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9173	<b>CloneNo.:</b> 7A2A7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q01638	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<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

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, fetal human brain tissue, SGC-7901 cells, pig brain tissue, mouse brain tissue, HSC-T6 cells, ROS1728 cells, PC-12 cells, rat brain tissue, rat cerebellum tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat, pig	
<b>Cited Species:</b> human, mouse, 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)

## Notable Publications

Author	Pubmed ID	Journal	Application
Shuhei Kobayashi	33024217	Sci Rep	
Zuojia Chen	33220232	Immunity	
Elena Vianello	31316160	Sci Rep	WB

## Storage

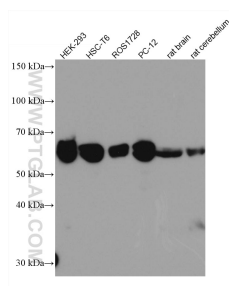
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## 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.