

For Research Use Only

# IL-1RL1/ST2 Polyclonal antibody

Catalog Number: 30194-1-AP



## Basic Information

### Catalog Number:

30194-1-AP

### Size:

150ul , Concentration: 650 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC030975

### GeneID (NCBI):

9173

### UNIPROT ID:

Q01638

### Full Name:

interleukin 1 receptor-like 1

### Calculated MW:

63 kDa, 37 kDa, 30 kDa

### Observed MW:

65 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

## Applications

### Tested Applications:

WB, FC, ELISA

### Species Specificity:

human

### Positive Controls:

WB : HUVEC cells, human placenta tissue

## 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 -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

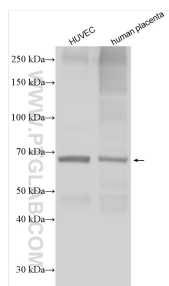
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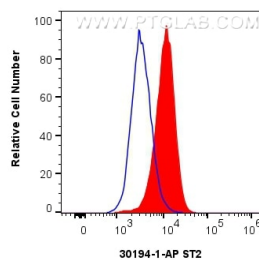
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30194-1-AP (ST2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  HEK-293 cells were surface stained with 0.4  $\mu$ g ST2 Polyclonal antibody (30194-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.4  $\mu$ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (blue). Cells were not fixed.