

For Research Use Only

CoraLite® Plus 647-conjugated IL-1RL1/ST2 Polyclonal antibody

Catalog Number:CL647-11920



Basic Information

Catalog Number:

CL647-11920

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2555

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:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P : mouse brain 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- κ 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite® Plus 647 IL-1RL1/ST2 antibody (CL647-11920) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).