

For Research Use Only

IL-1RL1/ST2 Monoclonal antibody

Catalog Number: 60112-1-Ig **19 Publications**



Basic Information

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|--|--|---|
| Catalog Number: 60112-1-Ig | GenBank Accession Number: BC030975 | Purification Method: Protein G purification |
| Source: Mouse | GeneID (NCBI): 9173 | CloneNo.: 7A2A7 |
| Isotype: IgG1 | UNIPROT ID: Q01638 | Recommended Dilutions: WB: 1:5000-1:50000 |
| Immunogen Catalog Number: AG2555 | Full Name: interleukin 1 receptor-like 1 | |
| | Calculated MW: 63 kDa, 37 kDa, 30 kDa | |
| | Observed MW: 63 kDa | |

Applications

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|---|--|
| Tested Applications: WB, ELISA | Positive Controls: 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 |
| Cited Applications: WB | |
| Species Specificity: human, mouse, rat, pig | |
| Cited Species: 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- 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)

Notable Publications

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

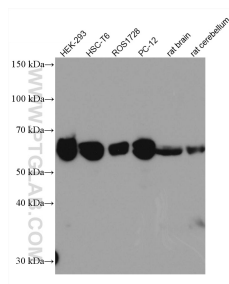
Storage

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

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.