



# Anti-IL1RL1 monoclonal antibody, clone 356808 (DCABY-4059)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| <b>Antigen Description</b> | The Interleukin 1 receptor family comprises at least nine members. All family members possess three immunoglobulin (Ig)-like domains in their extracellular region. Most members also have an intracellular TIR (Toll-like receptor/IL-1 receptor) signaling domain that is also conserved in the Toll-like receptor family. A subtype of the IL-1 R family, SIGIRR (single Ig domain-containing IL-1 R-related molecule) differs from the other nine members by having only one Ig domain. ST2L, also known as IL-1 R4, is a transmembrane glycoprotein in the interleukin-1 receptor family. ST2L is expressed on mast cells and Th2 cells as well as on stressed cardiac myocytes and airway epithelia. ST2L associates with IL-1R AcP to form a receptor complex for IL-33. Alternative splicing generates ST2, a secreted isoform that functions as an inhibitor of IL-33 signaling. Within the ECD, mouse ST2L shares 68% aa sequence identity with human ST2L. |
| <b>Specificity</b>         | Detects mouse ST2/IL-1 R4 in ELISAs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>           | S. frugiperda insect ovarian cell line Sf 21-derived recombinant mouse ST2. Ser27-Arg332<br>Accession Number P14719                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Isotype</b>             | IgG2b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source/Host</b>         | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species Reactivity</b>  | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Clone</b>               | 356808                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purification</b>        | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Applications</b>        | Flow Cytometry, ELISA Capture (Matched Pair), Neutralization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| <b>Format</b>       | Liquid                                                                                                                                                                                                                                                                           |
| <b>Size</b>         | 500 µg                                                                                                                                                                                                                                                                           |
| <b>Buffer</b>       | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.                                                                                                                                                                                                               |
| <b>Preservative</b> | None                                                                                                                                                                                                                                                                             |
| <b>Storage</b>      | Use a manual defrost freezer and avoid repeated freeze-thaw cycles.<br>12 months from date of receipt, -20 to -70 °C as supplied.<br>1 month, 2 to 8 °C under sterile conditions after reconstitution.<br>6 months, -20 to -70 °C under sterile conditions after reconstitution. |

## GENE INFORMATION

|                            |                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">Il1rl1 interleukin 1 receptor-like 1 [ Mus musculus (house mouse) ]</a>                                                             |
| <b>Official Symbol</b>     | IL1RL1                                                                                                                                          |
| <b>Synonyms</b>            | IL1RL1; interleukin 1 receptor-like 1; T1; St2; DER4; Ly84; ST2L; Fit-1; T1/ST2; St2-rs1; interleukin-1 receptor-like 1; lymphocyte antigen 84; |
| <b>Entrez Gene ID</b>      | <a href="#">17082</a>                                                                                                                           |
| <b>Protein Refseq</b>      | <a href="#">NP_001020773</a>                                                                                                                    |
| <b>UniProt ID</b>          | <a href="#">P14719</a>                                                                                                                          |
| <b>Chromosome Location</b> | 1 B; 1 19.19 cM                                                                                                                                 |
| <b>Function</b>            | interleukin-1 receptor activity; interleukin-33 binding; interleukin-33 receptor activity;                                                      |