



# Anti-IL1RL1 polyclonal antibody [Biotin] (DPABY-438)

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

## PRODUCT INFORMATION

<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 human ST2/IL-1 R4 in ELISAs and Western blots. In sandwich immunoassays, less than 0.5% cross-reactivity with recombinant mouse ST2Ligand is observed and less than 0.1% cross-reactivity with recombinant human (rh) IL-1 RI and rhIL-1 RII is observed.
<b>Immunogen</b>	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human ST2/IL-1 R4. Lys19-Phe328 Accession Number BAA02233
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen Affinity-purified
<b>Conjugate</b>	Biotin
<b>Applications</b>	Western Blot, ELISA Detection (Matched Pair)

<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 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 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	IL1RL1
<b>Synonyms</b>	IL1RL1; interleukin 1 receptor-like 1; T1; ST2; DER4; ST2L; ST2V; FIT-1; IL33R; interleukin-1 receptor-like 1; growth stimulation-expressed; interleukin 1 receptor-related protein; homolog of mouse growth stimulation-expressed;
<b>Entrez Gene ID</b>	<a href="#">9173</a>
<b>Protein Refseq</b>	<a href="#">NP_001269337</a>
<b>UniProt ID</b>	<a href="#">Q01638</a>
<b>Chromosome Location</b>	2q12
<b>Function</b>	cytokine receptor activity; interleukin-1 receptor activity; interleukin-33 binding; interleukin-33 receptor activity; protein binding; receptor signaling protein activity;