



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

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

PRODUCT INFORMATION

Antigen Description	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.
Specificity	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.
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human ST2/IL-1 R4. Lys19-Phe328 Accession Number BAA02233
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen Affinity-purified
Conjugate	Biotin
Applications	Western Blot, ELISA Detection (Matched Pair)

Format	Liquid
Size	50 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
Storage	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

Gene Name	IL1RL1 interleukin 1 receptor-like 1 [Homo sapiens (human)]
Official Symbol	IL1RL1
Synonyms	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;
Entrez Gene ID	9173
Protein Refseq	NP_001269337
UniProt ID	Q01638
Chromosome Location	2q12
Function	cytokine receptor activity; interleukin-1 receptor activity; interleukin-33 binding; interleukin-33 receptor activity; protein binding; receptor signaling protein activity;