



Anti-IL1RL1 polyclonal antibody [Biotin] (DPABY-574)

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 mouse ST2/IL-1 R4 in ELISAs and Western blots. In sandwich immunoassays, less than 0.2% cross-reactivity with recombinant human (rh) IL-1 R4, recombinant mouse (rm) IL-1 R1, rmIL-2 R2, rhIL-1 R4, rmIL-1 R6, rmIL-1 R8, and rhIL-1 R9 is observed.
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant mouse ST2/IL-1 R4. Ser27-Ser342 Accession Number P14719
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
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 [Mus musculus (house mouse)]
Official Symbol	IL1RL1
Synonyms	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;
Entrez Gene ID	17082
Protein Refseq	NP_001020773
UniProt ID	P14719
Chromosome Location	1 B; 1 19.19 cM
Function	interleukin-1 receptor activity; interleukin-33 binding; interleukin-33 receptor activity;