



Anti-IL1R1 polyclonal antibody [Biotin] (DPABY-539)

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. IL-1 R1 is a type I transmembrane glycoprotein that functions as the ligand binding subunit in the IL-1 receptor complex. It associates with a signaling component, IL-1 R3 (IL-1 receptor accessory protein) to form a functional receptor complex for IL-1 alpha and IL-1 beta.
Specificity	Detects human IL-1RI in ELISAs and Western blots. In sandwich immunoassays, less than 0.3% cross-reactivity with recombinant mouse IL-1RI, recombinant human (rh) IL-1 RA, and rhIL-1 RII is observed.
Immunogen	recombinant human IL-1RI
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	IL1R1 interleukin 1 receptor, type I [Homo sapiens (human)]
Official Symbol	IL1R1
Synonyms	IL1R1; interleukin 1 receptor, type I; P80; IL1R; IL1RA; CD121A; D2S1473; IL-1R-alpha; interleukin-1 receptor type 1; IL-1R-1; IL-1RT1; IL-1RT-1; interleukin-1 receptor alpha; interleukin-1 receptor type I; CD121 antigen-like family member A; interleukin
Entrez Gene ID	3554
Protein Refseq	NP_000868
UniProt ID	P14778
Chromosome Location	2q12
Pathway	Amoebiasis; Apoptosis; Apoptosis Modulation and Signaling; Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; HTLV-I infection; Hematopoietic cell lineage; Hypertrophy Model;
Function	interleukin-1 receptor activity; interleukin-1, Type I, activating receptor activity; platelet-derived growth factor receptor binding; protease binding; protein binding; signal transducer activity; transmembrane signaling receptor activity;