



# Anti-IL1R1 monoclonal antibody, clone 46840 (DCABY-3977)

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. 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.
<b>Specificity</b>	Detects recombinant human (rh)IL-1 RI in direct ELISAs and Western blots. In Western blots, no cross-reactivity was observed with rhIL-1RII, rhIL-1R5, or rmIL-1 RI.
<b>Immunogen</b>	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human IL-1 RI. Extracellular domain
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	46840
<b>Purification</b>	Protein A or G purified from ascites
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot, ELISA Capture (Matched Pair)
<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. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted. 6 months from date of receipt, -20 to -70 °C, reconstituted.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IL1R1 interleukin 1 receptor, type I [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	IL1R1
<b>Synonyms</b>	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
<b>Entrez Gene ID</b>	<a href="#">3554</a>
<b>Protein Refseq</b>	<a href="#">NP_000868</a>
<b>UniProt ID</b>	<a href="#">P14778</a>
<b>Chromosome Location</b>	2q12
<b>Pathway</b>	Amoebiasis; Apoptosis; Apoptosis Modulation and Signaling; Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; HTLV-I infection; Hematopoietic cell lineage; Hypertrophy Model;
<b>Function</b>	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;