

Rabbit Anti-Human Interleukin 1 Receptor-like 1 Monoclonal Antibody

Cat. No. CAB11565RH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Rabbit Monoclonal Antibody to Human IL1RL1
Species	Human
Source	Rabbit
Antigen Description	The protein IL1 RL1, also known as T1, ST2, is a member of the interleukin-1 receptor family with a soluble secreted form (sST2) and a transmembrane form (ST2L). The coding gene forms a cytokine receptor gene cluster together with IL1R1(interleukin 1 receptor, type I), IL1R2(interleukin 1 receptor, type II) and IL1RL2(interleukin 1 receptor-like 2) genes in a region mapped to chromosome 2q12. As an important mediator involved in many immune and inflammatory responses, this cytokine has been implicated as a regulator of both the development and effector phases of type 2 helper T cell responses, and as a negative feedback modulator of macrophage pro-inflammatory function. IL33 is a specific ligand of the protein IL1RL1 and induces production of Th2 cytokines.
Specificity	Human IL1RL1 / IL1R4. No cross-reactivity in ELISA with Human IL1R1, Human IL1R2, Human IL1RA, Human cell lysate (293 cell line)
Immunogen	Recombinant Human IL1RL1 / IL1R4 Protein
Isotype	Rabbit IgG

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Cross Reactivity	003
Clone	A004
Applications	WB; ELISA
Dilution	Western blot: This antibody can be used at 1-2 µg/mL with the appropriate secondary reagents to detect Human IL1R4 in WB. Using a DAB detection system, the detection limit for Human IL1R4 is approximately 1 ng/lane under non-reducing conditions and 0.125 ng/lane under reducing conditions. Direct ELISA: This antibody can be used at 0.1-0.2 µg/mL with the appropriate secondary reagents to detect Human IL1R4. The detection limit for Human IL1R4 is approximately 0.00245 ng/well.
Preparation	This antibody was obtained from a rabbit immunized with purified, human cell-derived, recombinant Human IL1RL1 / IL1R4 (rh IL1RL1 / IL1R4; Met 1 - Phe 328; NP_003847.2)
Format	0.2 µm filtered solution in PBS with 5% trehalose
Storage	This antibody can be stored at 2-8 °C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -70 °C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	IL1RL1 interleukin 1 receptor-like 1 [Homo sapiens]
Official Symbol	IL1RL1

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Synonyms	IL1RL1; interleukin 1 receptor-like 1; interleukin-1 receptor-like 1; DER4; FIT 1; homolog of mouse growth stimulation expressed; IL33R; ST2; ST2L; ST2V; T1; growth stimulation-expressed; interleukin 1 receptor-related protein; homolog of mouse growth stimulation-expressed; FIT-1; MGC32623;
Gene ID	9173
mRNA Refseq	NM_003856
Protein Refseq	NP_003847
MIM	601203
UniProt ID	Q01638
Chromosome Location	2q12
Function	cytokine receptor activity; interleukin-1 receptor activity; interleukin-33 binding; protein binding; receptor activity; receptor signaling protein activity;