

Datasheet for ABIN7602351
anti-IL1RL1 antibody (AA 70-556)



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Overview

Quantity:	100 µg
Target:	IL1RL1
Binding Specificity:	AA 70-556
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL1RL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ST2/IL1RL1 Antibody Picoband®
Immunogen:	E.coli-derived human ST2/IL1RL1 recombinant protein (Position: Q70-Q556).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ST2/IL1RL1 Antibody Picoband® (ABIN7602351). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	IL1RL1
Alternative Name:	IL1RL1 (IL1RL1 Products)
Background:	<p>Synonyms: Tyrosine-protein kinase SYK, Spleen tyrosine kinase, p72-Syk, SYK</p> <p>Tissue Specificity: Widely expressed in hematopoietic cells. Expressed in neutrophils. Within the B-cell compartment, expressed from pro- and pre-B cells to plasma cells.</p> <p>Background: Interleukin 1 receptor-like 1, also known as IL1RL1 and ST2, is a protein that in humans is encoded by the IL1RL1 gene. The protein encoded by this gene is a member of the interleukin 1 receptor family. Studies of the similar gene in mouse suggested that this receptor can be induced by proinflammatory stimuli, and may be involved in the function of helper T cells. This gene, interleukin 1 receptor, type I (IL1R1), interleukin 1 receptor, type II (IL1R2) and interleukin 1 receptor-like 2 (IL1RL2) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. Alternative splicing of this gene results in multiple transcript variants.</p>
Molecular Weight:	70 kDa
Gene ID:	9173
UniProt:	Q01638

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Brint, E. K., Xu, D., Liu, H., Dunne, A., McKenzie, A. N. J., O'Neill, L. A. J., Liew, F. Y. ST2 is an inhibitor of interleukin 1 receptor and Toll-like receptor 4 signaling and maintains endotoxin tolerance. <i>Nature Immun.</i> 5: 373-379, 2004. 2. Buckley, J. M., Liu, J. H., Li, C. H., Blankson, S., Wu, Q. D., Jiang, Y., Redmond, H. P., Wang, J. H. Increased susceptibility of ST2-deficient mice to polymicrobial sepsis is associated with an impaired bactericidal function. <i>J. Immun.</i> 187: 4293-4299, 2011. 3. Chackerian, A. A., Oldham, E. R., Murphy, E. E., Schmitz, J., Pflanz, S., Kastelein, R. A. IL-1 receptor accessory protein and ST2 comprise the IL-33 receptor complex. <i>J. Immun.</i> 179: 2551-2555, 2007.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.