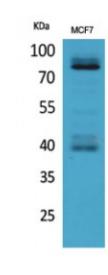


Anti-IL-1RI antibody



Description Rabbit polyclonal to IL-1RI.

Model STJ96628

Host Rabbit

Reactivity Human

Applications ELISA, IHC, WB

Immunogen Synthesized peptide derived from human IL-1RI.

Immunogen Region 31-80 aa, N-terminal

Gene ID <u>3554</u>

Gene Symbol <u>IL1R1</u>

Dilution range WB 1:500-1:2000IHC-P 1:100-300ELISA 1:20000

Specificity IL-1RI Polyclonal Antibody detects endogenous levels of IL-1RI protein.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Interleukin-1 receptor type 1 IL-1R-1 IL-1RT-1 IL-1RT1 CD121 antigen-like

family member A Interleukin-1 receptor alpha IL-1R-alpha Interleukin-1

receptor type I p80 CD antigen CD121a Interleukin-

Molecular Weight 40/75 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:5993OMIM:147810</u>

Alternative Names Interleukin-1 receptor type 1 IL-1R-1 IL-1RT-1 IL-1RT1 CD121 antigen-like

family member A Interleukin-1 receptor alpha IL-1R-alpha Interleukin-1

receptor type I p80 CD antigen CD121a Interleukin-

Function Receptor for IL1A, IL1B and IL1RN. After binding to interleukin-1 associates

with the coreceptor IL1RAP to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B, MAPK and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective

TIR domains of the receptor/coreceptor subunits. Binds ligands with comparable affinity and binding of antagonist IL1RN prevents association

with IL1RAP to form a signaling complex.

Cellular Localization Membrane Cell membrane Secreted

Post-translational Modifications A soluble form (sIL1R1) is probably produced by proteolytic cleavage at the cell surface (shedding). Rapidly phosphorylated on Tyr-496 in response to IL-1, which creates a SH2 binding site for the PI 3-kinase regulatory subunit

PIK3R1.

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