

## Anti-IL-1RAP/IL-1RAcP Antibody (6Q78)

## Product Details

Ig Type:	hIgG1
Reactivity:	Human, Macaca fascicularis
Conjugation:	Unconjugated
Clone:	6Q78
Purification:	Affinity-chromatography

## Applications

Verified Activity:	<p>1. The Binding Activity of Macaca fascicularis IL1RAP with Anti-IL1RAP recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis IL1RAP at 2 µg/mL can bind Anti-IL1RAP recombinant antibody. The EC50 is 0.9099-1.181 ng/mL.</p> <p>2. The Binding Activity of Human IL1RAP with Anti-IL1RAP recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human IL1RAP at 2 µg/mL can bind Anti-IL1RAP recombinant antibody. The EC50 is 0.9667-1.477 ng/mL.</p>
Application:	ELISA
Recommended	ELISA:1:5000-1:50000.

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human IL1RAP Protein
Antigen Species:	Human
Gene ID:	3556
Uniprot ID:	Q9NPH3
Synonyms:	IL1R3;interleukin 1 receptor accessory protein;C3orf13;IL-1RAcP
Biology Area:	Cardiovascular, Immunology

## Research Background

Coreceptor for IL1RL2 in the IL-36 signaling system. Coreceptor with IL1R1 in the IL-1 signaling system. Associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B 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. Recruits TOLLIP to the signaling complex. Does not bind to interleukin-1 alone; binding of IL1RN to IL1R1, prevents its association with IL1R1 to form a signaling complex. The cellular response is modulated through a non-signaling association with the membrane IL1R2 decoy receptor. Coreceptor for IL1RL1 in the IL-33 signaling system. Can bidirectionally induce pre- and postsynaptic differentiation of neurons by trans-synaptically binding to PTPRD. May

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play a role in IL1B-mediated costimulation of IFNG production from T-helper 1 (Th1) cells (Probable). Associates with secreted ligand-bound IL1R2 and increases the affinity of secreted IL1R2 for IL1B; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors. Enhances the ability of secreted IL1R1 to inhibit IL-33 signaling. Unable to mediate canonical IL-1 signaling. Required for Src phosphorylation by IL1B. May be involved in IL1B-potentiated NMDA-induced calcium influx in neurons.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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