

# PE Rabbit anti-Mouse CD121a/IL1R1 mAb

Catalog No.: A29425

## Basic Information

**Observed MW**

**Calculated MW**

**Category**

Primary antibody

**Applications**

FC

**Cross-Reactivity**

Mouse

**CloneNo number**

ARC65805

**Conjugate**

PE. Ex:565nm. Em:574nm.

## Background

Enables interleukin-1 binding activity; interleukin-1 receptor activity; and protease binding activity. Involved in interleukin-1-mediated signaling pathway. Acts upstream of or within several processes, including cytokine-mediated signaling pathway; positive regulation of interleukin-1-mediated signaling pathway; and positive regulation of neutrophil extravasation. Located in external side of plasma membrane. Is expressed in brain; dorsal aorta; liver; reproductive system; and spleen. Used to study type 1 diabetes mellitus. Human ortholog(s) of this gene implicated in systemic sclerosis and type 1 diabetes mellitus. Orthologous to human IL1R1 (interleukin 1 receptor type 1).

## Recommended Dilutions

**FC** ≤0.25 µg per million cells in  
100 µl volume

## Immunogen Information

**Gene ID**

16177

**Swiss Prot**

P13504

**Immunogen**

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

**Synonyms**

IL-1R; CD121a; CD121b; IL-1R1; IL1r-1; IL-1R-1; IL-1RT1; IL-1RT-1; IL-1R-alpha

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

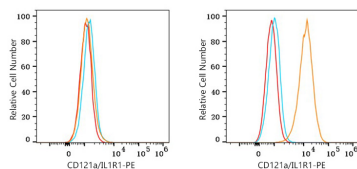
**Storage**

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data

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Flow cytometry:  $1 \times 10^6$  Neuro-2a cells (negative control, left) and NIH/3T3 cells (right) were surface-stained with PE Rabbit anti-Mouse CD121a/IL1R1 mAb (A29425, 0.25  $\mu$ g, orange line) or PE Rabbit IgG isotype control (A24172, 5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).