

IL1R1/CD121a Rabbit mAb

Catalog No.: A25403 **Recombinant**

Basic Information

Observed MW

Refer to figures

Calculated MW

67kDa

Category

Primary antibody

Applications

ELISA,FC

Cross-Reactivity

Mouse

CloneNo number

ARC65805

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 1:500 - 1:1000

Immunogen Information

Gene ID

16177

Swiss Prot

P13504

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 20-338 of mouse IL1R1/CD121a (NP_032388.1).

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

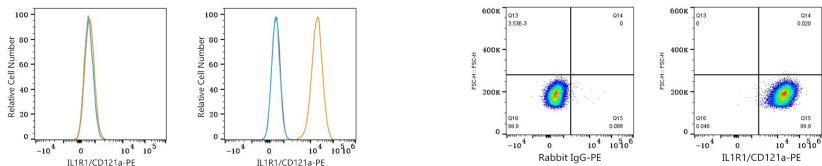
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Flow cytometry: 1×10^6 Neuro-2a cells (negative control, left) and NIH/3T3 cells (right) were surface-stained with IL1R1/CD121a Rabbit mAb (A25403, 2 $\mu\text{g}/\text{mL}$, orange line) or PE Rabbit IgG isotype control (A24172, 5 $\mu\text{l}/\text{Test}$, blue line), followed by PE Donkey anti-rabbit Antibody staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 NIH/3T3 cells were surface-stained with PE Rabbit IgG isotype control (A24172, 5 $\mu\text{l}/\text{Test}$, left) or IL1R1/CD121a Rabbit mAb (A25403, 2 $\mu\text{g}/\text{mL}$, right).