

Active Recombinant Mouse Il1rn protein, His-tagged

Cat. No. Il1rn-5593M Lot. No. (See product label)

SPECIFICATION

Product Overview Active Recombinant Mouse Il1rn protein(P25085)(27~178 aa), fused with N-terminal His tag, was expressed in E.coli.

Species Mouse

Source E.coli

ProteinLength 27-178 aa

Form Lyophilized from sterile 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Bio-activity IL1RA (interleukin-1 receptor antagonist) is an agent that binds to the cell surface interleukin-1 receptor (IL-1R), which would prevent IL-1 from intracellular signal transduction. Besides, mouse IL1R1 and rat IL1R1 share similarities in amino acid sequence with the identity of 85.6%. Thus, a binding ELISA assay was constructed to detect the association of recombinant mouse IL1RA with recombinant rat IL1R1. Briefly, IL1RA were diluted serially in PBS with 0.1%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to IL1R1-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-IL1RA pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50μ stop solution to the wells and read at 450nm immediately. The binding activity of IL1RA with IL1R1

 Tel: 1-631-559-9269 1-516-512-3133

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was shown and this effect was in a dose dependent manner.

Molecular Mass 18.4kDa

Purity > 95% as determined by SDS-PAGE.

Storage Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name [Il1rn interleukin 1 receptor antagonist \[Mus musculus \]](#)

Official Symbol [Il1rn](#)

Synonyms IL1RN; interleukin 1 receptor antagonist; interleukin-1 receptor antagonist protein; IRAP; IL-1RN; IL1 inhibitor; IL-1ra; F630041P17Rik;

Gene ID [16181](#)

mRNA Refseq [NM_001039701](#)

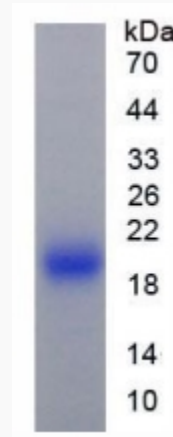
Protein Refseq [NP_001034790](#)

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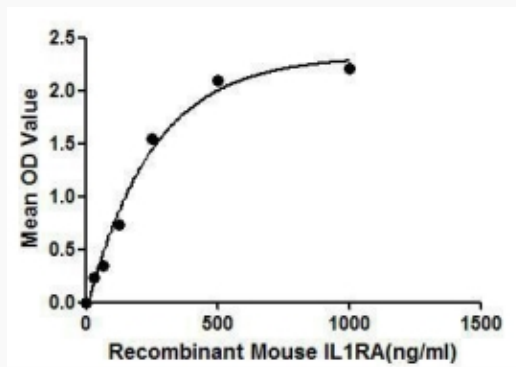
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SDS-PAGE



Activity



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