

Human IL1 Receptor antagonist protein, His tag

Cat. No. GTX00108-pro**Applications** Functional Assay**Species** Human**Package**

10 µg

Applications

Application Note

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. Thus, a binding ELISA assay was constructed to detect the association of recombinant human IL1RA with recombinant human IL1R1. Briefly, IL1RA were diluted serially in PBS with 0.1% BSA (pH 7.4). Duplicate samples of 100 µl 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 50 µl stop solution to the wells and read at 450nm immediately. The binding activity of IL1RA with IL1R1 was in a dose dependent manner.

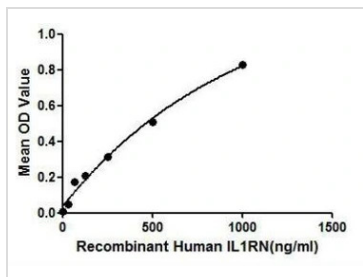
Observed MW (kDa) 18 kDa.

Properties

Form Lyophilized powder**Buffer** Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.**Preservative** ProClin 300**Storage** For short-term storage (1-2 weeks), store at 4°C. For long-term storage, store at -20°C or below. After reconstitution, keep as concentrated solution. Avoid freeze-thaw cycles.**Region/Sequence** N-terminal His-Tag; Arg26~Glu177 (NP_000568.1)**Expression System** E. coli**Purity** > 95%**Endotoxin** < 1 EU/µg**Conjugation** Unconjugated**Note** For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

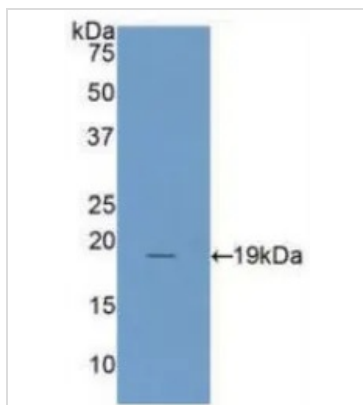
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DATA IMAGES



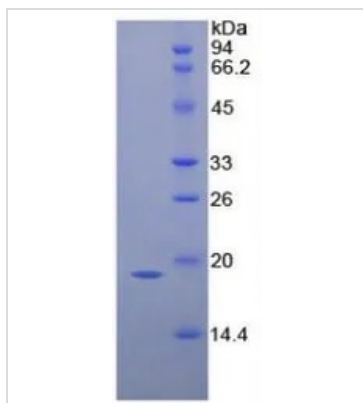
GTX00108-pro Functional Assay Image

Functional ELISA analysis of GTX00108-pro Human IL1 Receptor antagonist protein which can bind immobilized IL1R1 protein.



GTX00108-pro Image

WB analysis of GTX00108-pro Human IL1 Receptor antagonist protein.



GTX00108-pro Image

SDS-PAGE analysis of GTX00108-pro Human IL1 Receptor antagonist protein.



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