

Human IL17 Receptor beta protein, His tag

Cat. No. GTX00144-pro

Applications Functional Assay**Species** Human**Package**

10 µg

Applications

Application Note

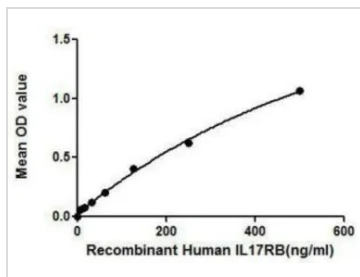
IL17RB (Interleukin-17 receptor B) is a receptor for the proinflammatory cytokines IL17B (Interleukin-17B) and IL17E (Interleukin-17E). This receptor has been shown to mediate the activation of NF-kappaB and the production of IL8 induced by IL17E. Thus a binding ELISA assay was constructed to detect the association of recombinant human IL17RB with recombinant human IL17B. Briefly, IL17RB were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to IL17B-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-IL17RB 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 IL17RB with IL17B was in a dose dependent manner.

Observed MW (kDa) 19 kDa.

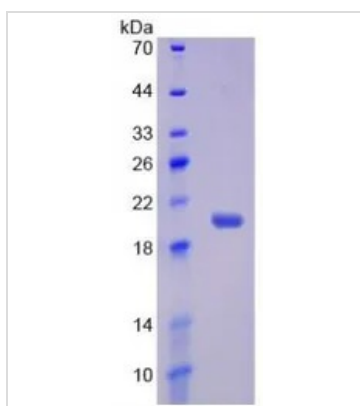
Properties

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; Asp61~Thr200 (NP_061195.2)**Expression System** E. coli**Purity** > 80%**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.

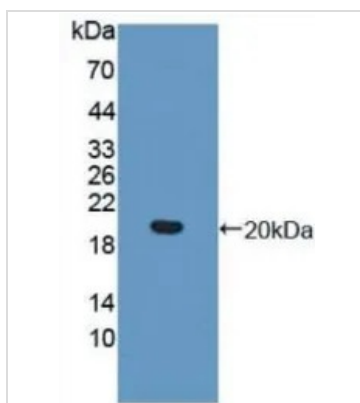
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DATA IMAGES

GTx00144-pro Functional Assay Image

Functional ELISA analysis of GTx00144-pro Human IL17 Receptor beta protein which can bind immobilized IL17B protein.


GTx00144-pro Image

SDS-PAGE analysis of GTx00144-pro Human IL17 Receptor beta protein.


GTx00144-pro Image

WB analysis of GTx00144-pro Human IL17 Receptor beta protein.



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