

Active Recombinant Mouse Il2rb protein, His-tagged

Cat. No. Il2rb-271R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse Il2rb protein(P16297)(27~240 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	27-240 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	IL2RB (interleukin-2 receptor subunit beta) is a heterotrimeric protein expressed on the surface of certain immune cells, such as lymphocytes, which binds and responds to a cytokine called IL-2. Thus we have conducted a binding ELISA assay to detect the interaction of recombinant mouse IL2RB with recombinant mouse IL2. Briefly, IL2RB were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to IL2-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-IL2RB 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 IL2RB with IL2 was shown and this effect was in a dose dependent manner.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	26.3kDa
Purity	> 90% 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

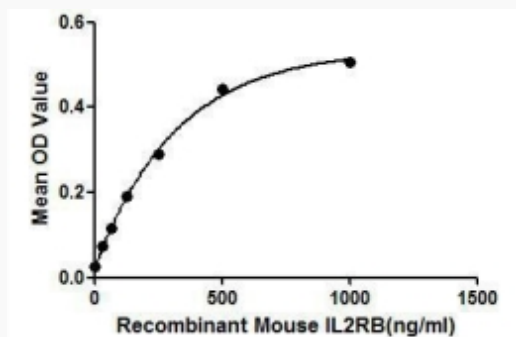
Gene Name	IL2rb interleukin 2 receptor, beta chain [Mus musculus]
Official Symbol	IL2rb
Synonyms	IL2RB; interleukin 2 receptor, beta chain; interleukin-2 receptor subunit beta; IL-2RB; p70-75; IL-2R subunit beta; IL-2/15 receptor-beta; IL-2 receptor beta chain; IL-15 receptor beta chain; IL-2 receptor subunit beta; high affinity IL-2 receptor subunit beta; p70; CD122; IL15Rbeta; IL-2Rbeta; IL-15Rbeta; IL-2/15Rbeta; MGC118674;
Gene ID	16185
mRNA Refseq	NM_008368
Protein Refseq	NP_032394

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

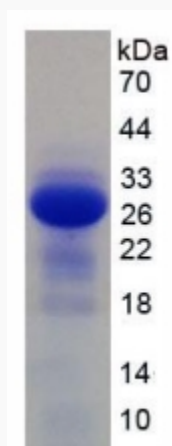
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Activity



SDS-PAGE



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

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA