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Product Datasheet

Mouse IL2 Receptor alpha protein, His tag, Unconjugated GTX00298-PRO

Article Name	Mouse IL2 Receptor alpha protein, His tag, Unconjugated
Biozol Catalog Number	GTX00298-PRO
Supplier Catalog Number	GTX00298-pro
Alternative Catalog Number	GTX00298-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Mouse
Conjugation	Unconjugated
NCBI	16184
UniProt	P01590
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, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Glu22~Lys236 (NP_032393.3)

Application Notes	<p>IL2RA (Interleukin-2 receptor alpha chain), also known as Tac antigen and as CD25, was initially identified as a 55kDa membrane glycoprotein which is capable of binding IL 2. Besides, mouse IL2 shares 75.1% AA sequence identity with rat IL2, suggesting the exist of cross-species activity. Thus we have conducted a binding ELISA assay to detect the interaction of recombinant rat IL2RA with recombinant mouse IL2. Briefly, IL2RA were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to IL2-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-IL2RA 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 37C. Finally, add 50 µl stop solution to the wells and read at 450nm immediately. The binding activity of IL2RA with IL2 was in a dose dependent manner.</p>
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