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## Product Datasheet

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

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                       | <a href="#">16184</a>                                                                                                                                                       |
| UniProt                    | <a href="#">P01590</a>                                                                                                                                                      |
| 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)                                                                                                                              |

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| 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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