

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Human IL10 Receptor beta protein, His tag, Unconjugated GTX00131-PRO

Article Name	Human IL10 Receptor beta protein, His tag, Unconjugated
Biozol Catalog Number	GTX00131-PRO
Supplier Catalog Number	GTX00131-pro
Alternative Catalog Number	GTX00131-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	<a href="#">3588</a>
UniProt	<a href="#">Q08334</a>
Buffer	Reconstitute with 10mM PBS (pH7.4) to 0.1-1.0mg/ml. Do not vortex. Lyophilized from PBS (pH7.4), 0.01% SKL, 1mM DTT, 5% Trehalose, ProClin 300.
Expression System	E. coli
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Leu87~Ala243 (NP_000619.3)

Application Notes

IL10Rb (Interleukin-10 receptor subunit beta) belongs to the cytokine receptor family. It is an accessory chain essential for the active interleukin 10 receptor complex, which is a cell surface receptor required for the activation of several cytokines, including IL10. Thus, a binding ELISA assay was conducted to detect the interaction of IL10Rb and IL10. Briefly, recombinant human IL10RB were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100  $\mu$ l were then transferred to IL10-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-IL10Rb 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  $\mu$ l stop solution to the wells and read at 450nm immediately. The binding activity of IL10Rb and IL10 was in a dose dependent manner.