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## Product Datasheet

### Human IL17E protein, His tag, Unconjugated GTX00133-PRO

Article Name	Human IL17E protein, His tag, Unconjugated
Biozol Catalog Number	GTX00133-PRO
Supplier Catalog Number	GTX00133-pro
Alternative Catalog Number	GTX00133-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	<a href="#">64806</a>
UniProt	<a href="#">Q9H293</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, Met28~Gly177 (NP_073626.1)

Application Notes

IL25 (Interleukin-25), also known as IL17E, is reported to induce NF- $\kappa$ B activation, and stimulate the production of IL-8. Besides, this cytokine shares the sequence similarity with IL17, which is considered as a ligand for IL17RA. Thus, a binding ELISA assay was conducted to detect the association of recombinant human IL25 with IL17RA. Briefly, IL25 were diluted serially in PBS with 0.1% BSA (pH 7.4). Duplicate samples of 100  $\mu$ l were then transferred to IL17RA-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-IL25 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 IL25 with IL17RA was in a dose dependent manner.