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Product Datasheet

Human IL17 Receptor alpha protein, His tag, Unconjugated GTX00132-PRO

Article Name	Human IL17 Receptor alpha protein, His tag, Unconjugated
Biozol Catalog Number	GTX00132-PRO
Supplier Catalog Number	GTX00132-pro
Alternative Catalog Number	GTX00132-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	23765
UniProt	Q96F46
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, Pro377~Phe534 (NP_001276834.1)

Application Notes

Interleukin-17 receptor A (IL17RA) is a cytokine receptor which binds interleukin 17A (IL17A). IL17A is a proinflammatory cytokine secreted by activated T-lymphocytes. IL17RA, as a transmembrane protein, is a ubiquitous type I membrane glycoprotein that binds IL17A, IL17F and IL17C. Activation of IL17RA leads to induction of expression of inflammatory chemokines and cytokines such as CXCL1, CXCL8/IL8 and IL6. Thus a binding ELISA assay was constructed to detect the association of recombinant human IL17RA with recombinant human IL17A. Briefly, IL17RA were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to IL17A-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-IL17RA 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 IL17RA with IL17A was in a dose dependent manner.