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Product Datasheet

Human IL17D protein, His and GST tag, Unconjugated GTX00141-PRO

Article Name	Human IL17D protein, His and GST tag, Unconjugated
Biozol Catalog Number	GTX00141-PRO
Supplier Catalog Number	GTX00141-pro
Alternative Catalog Number	GTX00141-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Human
Conjugation	Unconjugated
NCBI	53342
UniProt	Q8TAD2
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 and GST-Tag, Pro35~Cys169 (NP_612141.1)

Application Notes

IL17D (Interleukin-17D) belongs to the IL17 (interleukin 17) family, which includes six members (IL-17, IL-17B through IL-17F). IL17D is reported to induce the expression of IL6, CXCL8/IL8, and CSF2/GM-CSF from endothelial cells. IL17 family members share some similarities in AA sequence and structure, thus, a binding ELISA assay was constructed to detect the association of recombinant human IL17D with recombinant human IL17RB. Briefly, IL17D were diluted serially in PBS with 0.1% BSA (pH 7.4). Duplicate samples of 100 μ l were then transferred to IL17RB-coated microtiter wells and incubated for 2h at 37C. Wells were washed with PBST and incubated for 1h with anti-IL17D 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 μ l stop solution to the wells and read at 450nm immediately. The binding activity of IL17D with IL17RB was in a dose dependent manner.