

Human IL17D protein, His and GST tag

Cat. No. GTX00141-pro

Applications	Functional Assay
Species	Human

Package
10 µg

Applications

Application Note

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 µl were then transferred to IL17RB-coated microtiter wells and incubated for 2h at 37°C. 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 37°C. Finally, add 50 µl stop solution to the wells and read at 450nm immediately. The binding activity of IL17D with IL17RB was in a dose dependent manner.

Observed MW (kDa) 45 kDa.

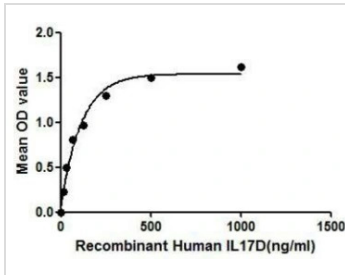
Properties

Form	Lyophilized powder
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.
Preservative	ProClin 300
Storage	For short-term storage (1-2 weeks), store at 4°C. For long-term storage, store at -20°C or below. After reconstitution, keep as concentrated solution. Avoid freeze-thaw cycles.
Region/Sequence	N-terminal His and GST-Tag; Pro35~Cys169 (NP_612141.1)
Expression System	E. coli
Purity	> 90%
Endotoxin	< 1 EU/µg
Conjugation	Unconjugated
Note	For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

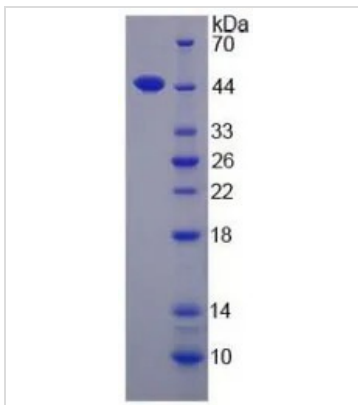


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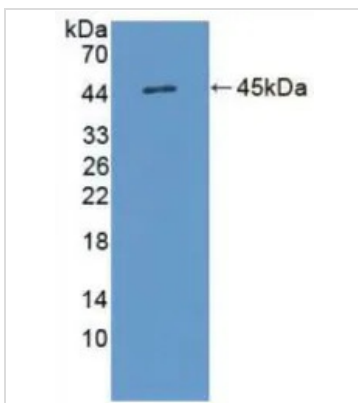
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DATA IMAGES

GTx00141-pro Functional Assay Image

Functional ELISA analysis of GTx00141-pro Human IL17D protein which can bind immobilized IL17RA protein.


GTx00141-pro Image

SDS-PAGE analysis of GTx00141-pro Human IL17D protein.


GTx00141-pro Image

WB analysis of GTx00141-pro Human IL17D protein.



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