

Interleukin 17D (IL17D) Active Protein | IL17D active protein

Active Interleukin 17D (IL17D)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA148227	E Coli	Human	Activity Assay, Cell Culture

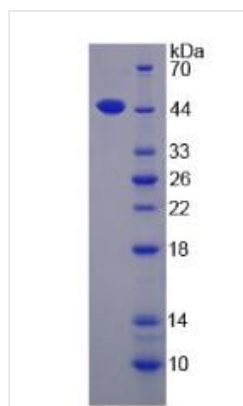
PRODUCT SYNONYMS

Interleukin 17D (IL17D); Active Interleukin 17D (IL17D); Interleukin-27; IL17D active protein

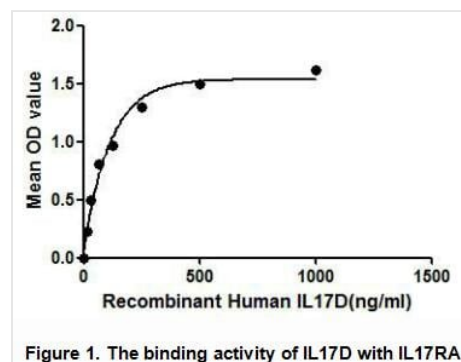
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 90%
Form/Format	Freeze-dried powder
Sequence Length	202
Applicable Applications for IL17D active protein	Activity Assay, Cell Culture
Tag	N-terminal His and GST Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Pro35-Cys169
Isoelectric Point	9.1

IMAGES



SDS-PAGE


Figure 1. The binding activity of IL17D with IL17RA.

Activity

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 100uL were then transferred to IL17RB-coated microtiter wells and incubated for 2h at 37 degree 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 degree C. Finally, add 50uL stop solution to the wells and read at 450nm immediately. The binding activity of IL17D with IL17RB was shown in Figure 1 and this effect was in a dose dependent manner.

ADDITIONAL INFORMATION

Product Categories/Family for IL17D active protein	Cytokine
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19923715
NCBI GeneID	53342
NCBI Accession #	NP_612141.1
NCBI GenBank Nucleotide #	NM_138284.1
UniProt Accession #	Q8TAD2; B1AM69
Molecular Weight	Predicted Molecular Weight: 45.0kDa Accurate Molecular Weight: 45kDa
NCBI Official Full Name	interleukin-17D
NCBI Official Synonym Full Names	interleukin 17D
NCBI Official Symbol	IL17D
NCBI Official Synonym Symbols	IL-17D
NCBI Protein Information	interleukin-17D
UniProt Protein Name	Interleukin-17D
UniProt Gene Name	IL17D
UniProt Synonym Gene Names	IL-27

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-human-active-protein/interleukin-17d-il17d/148227>