

Interleukin 25 (IL25) Active Protein | IL25 active protein

Active Interleukin 25 (IL25)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA148228	E Coli	Human	Activity Assay, Cell Culture

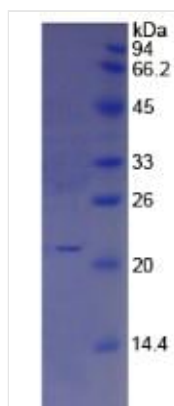
PRODUCT SYNONYMS

Interleukin 25 (IL25); Active Interleukin 25 (IL25); IL17E; IL17-E; Interleukin-17E; IL25 active protein

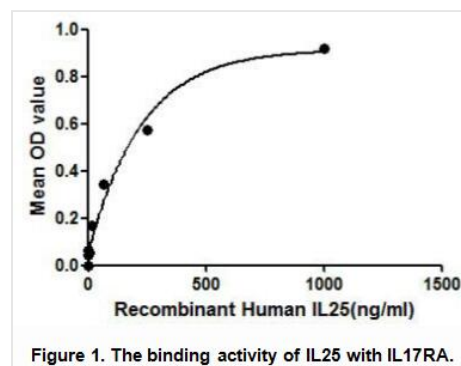
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 97%
Form/Format	Freeze-dried powder
Sequence Length	177
Applicable Applications for IL25 active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Met28~Gly177
Isoelectric Point	8.6

IMAGES



SDS-PAGE


Figure 1. The binding activity of IL25 with IL17RA.

Activity

IL25 (Interleukin-25), also known as IL17E, is reported to induce NF-kappaB 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 100uL were then transferred to IL17RA-coated microtiter wells and incubated for 2h at 37 degree C. 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 37 degree C. Finally, add 50uL stop solution to the wells and read at 450nm immediately. The binding activity of IL25 with IL17RA was shown in Figure 1 and this effect was in a dose dependent manner.

ADDITIONAL INFORMATION

Product Categories/Family for IL25 active protein	Cytokine; Infection immunity
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12232485
NCBI GeneID	64806
NCBI Accession #	NP_073626.1
NCBI GenBank Nucleotide #	NM_022789.3
UniProt Accession #	Q9H293; Q2M3F0; Q8IZV3; Q8WXB0
Molecular Weight	Predicted Molecular Weight: 18.5kDa Accurate Molecular Weight: 21kDa
NCBI Official Full Name	interleukin-25 isoform 1
NCBI Official Synonym Full Names	interleukin 25
NCBI Official Symbol	IL25
NCBI Official Synonym Symbols	IL17E
NCBI Protein Information	interleukin-25
UniProt Protein Name	Interleukin-25
UniProt Gene Name	IL25
UniProt Synonym Gene Names	IL17E; IL-25; IL-17E

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-25-il25/148228>