

Active Recombinant Human IL17D protein, His-GST-tagged

Cat. No. IL17D-7978H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human IL17D protein(Pro35-Cys169), fused with Two N-terminal Tags, His tag and GST tag, was expressed in E. coli.

Species Human

Source E.coli

ProteinLength Pro35-Cys169

Form 20mM Tris, 150mM NaCl, pH8.0, containing 0.05% sarcosyl nd 5% trehalose.

Bio-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°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 50µL stop solution to the wells and read at 450nm immediately.

Molecular Mass 45.0kDa

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Endotoxin	<1.0EU per 1µg (determined by the LAL method)
Purity	> 90%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

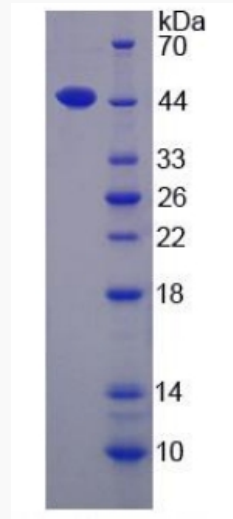
Gene Name	IL17D interleukin 17D [Homo sapiens]
Official Symbol	IL17D
Synonyms	IL17D; interleukin 17D; interleukin-17D; FLJ30846; IL 17D; IL 22; IL 27; IL27; interleukin 27; interleukin-27; IL-22; IL-27; IL-17D;
Gene ID	53342
mRNA Refseq	NM_138284
Protein Refseq	NP_612141
MIM	607587
UniProt ID	Q8TAD2

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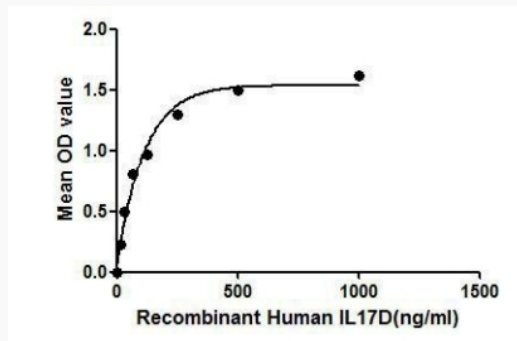
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SDS-PAGE



Activity



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