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Datasheet for ABIN6239768

IL17D Protein (AA 35-169) (His tag,GST tag)

Overview

Quantity:	50 µg
Target:	IL17D
Protein Characteristics:	AA 35-169
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This IL17D protein is labelled with His tag,GST tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His and GST Tag
Purity:	> 90 %
Biological Activity Comment:	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

Product Details

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 The binding activity of IL17D with IL17RA.

Target Details

Target:	IL17D
Abstract:	IL17D Products
Background:	Alternative Names: Interleukin-27
Molecular Weight:	45kDa
UniProt:	Q8TAD2
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	Isoelectric Point: 9.1
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.