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Datasheet for ABIN6239766

IL17B Protein (AA 21-180) (His tag)

Overview

Quantity:	50 µg
Target:	IL17B
Protein Characteristics:	AA 21-180
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This IL17B protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 95 %
Biological Activity Comment:	<p>IL17B (Interleukin-17B) is a T cell-derived cytokine that shares sequence similarity with IL17, which has been proven to mediate potent inflammatory immune response. Besides, increasing evidence suggests that IL17 may play a critical role in various kinds of liver diseases, including hepatocellular carcinoma. Thus a stimulation assay has been conducted to detect the bioactivity of IL17B. HepG2 cells were seeded into 24-well plate at a density of 1x10⁵ cells/mL, and allowed to attach overnight before treated with or without certain concentrations (250ng/mL, 500ng/mL) of IL17B for 20h and IL-8 levels in the cell supernatant were determined by ELISA. Table 1. IL-8 levels in the cell supernatant of HepG2 cells up-regulated by IIL17B.</p> <p>Sample Concentration of IL-6 O.D. value Corrected (cell supernatant of A549 cells) (ng/mL)</p> <p>stimulated with IL17B (250ng/mL) 0.83 0.80 1.19 stimulated with IL17B (500ng/mL) 0.94 0.91</p>

Product Details

1.36 unstimulated 0.56 0.53 0.80 Figure 1. IL-8 levels in the cell supernatant of HepG2 cells up-regulated by IL17B.

Target Details

Target:	IL17B
Abstract:	IL17B Products
Background:	Alternative Names: IL-20, Cytokine Zcyto7, Neuronal interleukin-17-related factor
Molecular Weight:	20kDa
UniProt:	Q9UHF5

Application Details

Application Notes:	Isoelectric Point: 9.7
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.