

Active Interleukin 17B (IL17B) Instruction Manual

SBPB265Hu01

Homo sapiens (Human)

Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	9.7
Applications	Cell culture; Activity Assays.

ACTIVITY TEST

Table 1. IL-8 levels in the cell supernatant of HepG2 cells up-regulated by IIL17B.

Sample (cell supernatant of A549 cells)	O.D. value	Corrected	Concentration of IL-6 (ng/mL)
stimulated with IL17B (250ng/mL)	0.83	0.80	1.19
stimulated with IL17B (500ng/mL)	0.94	0.91	1.36
unstimulated	0.56	0.53	0.80

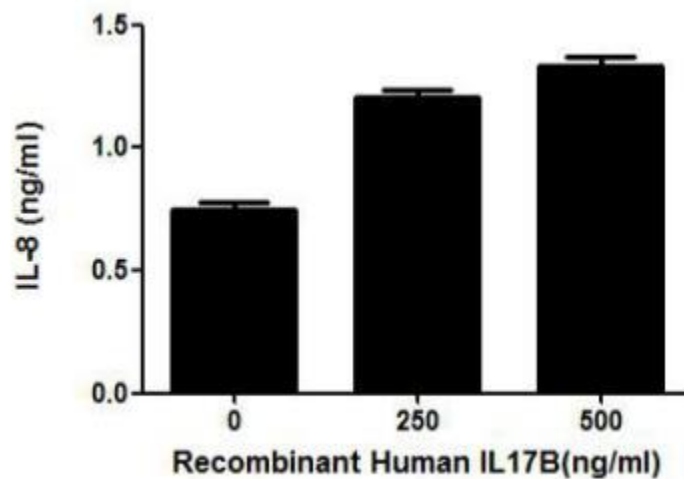


Figure 1. IL-8 levels in the cell supernatant of HepG2 cells up-regulated by IIL17B.

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 1×10^5 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.

USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

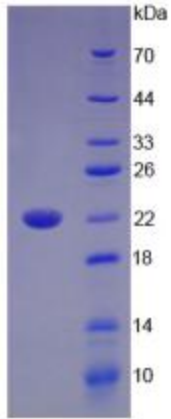
STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image



SDS-PAGE Image

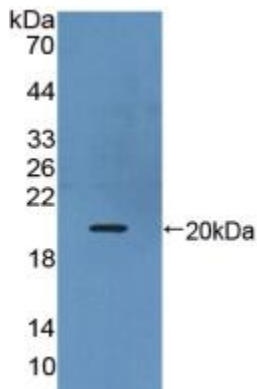


Figure. Western Blot; Sample: Recombinant IL17B, Human.

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.