

Active Interleukin 17C (IL17C) Instruction Manual

SBPD343Hu01

Homo sapiens (Human)

Buffer Formulation

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Traits

Freeze-dried powder

Purity

> 95%

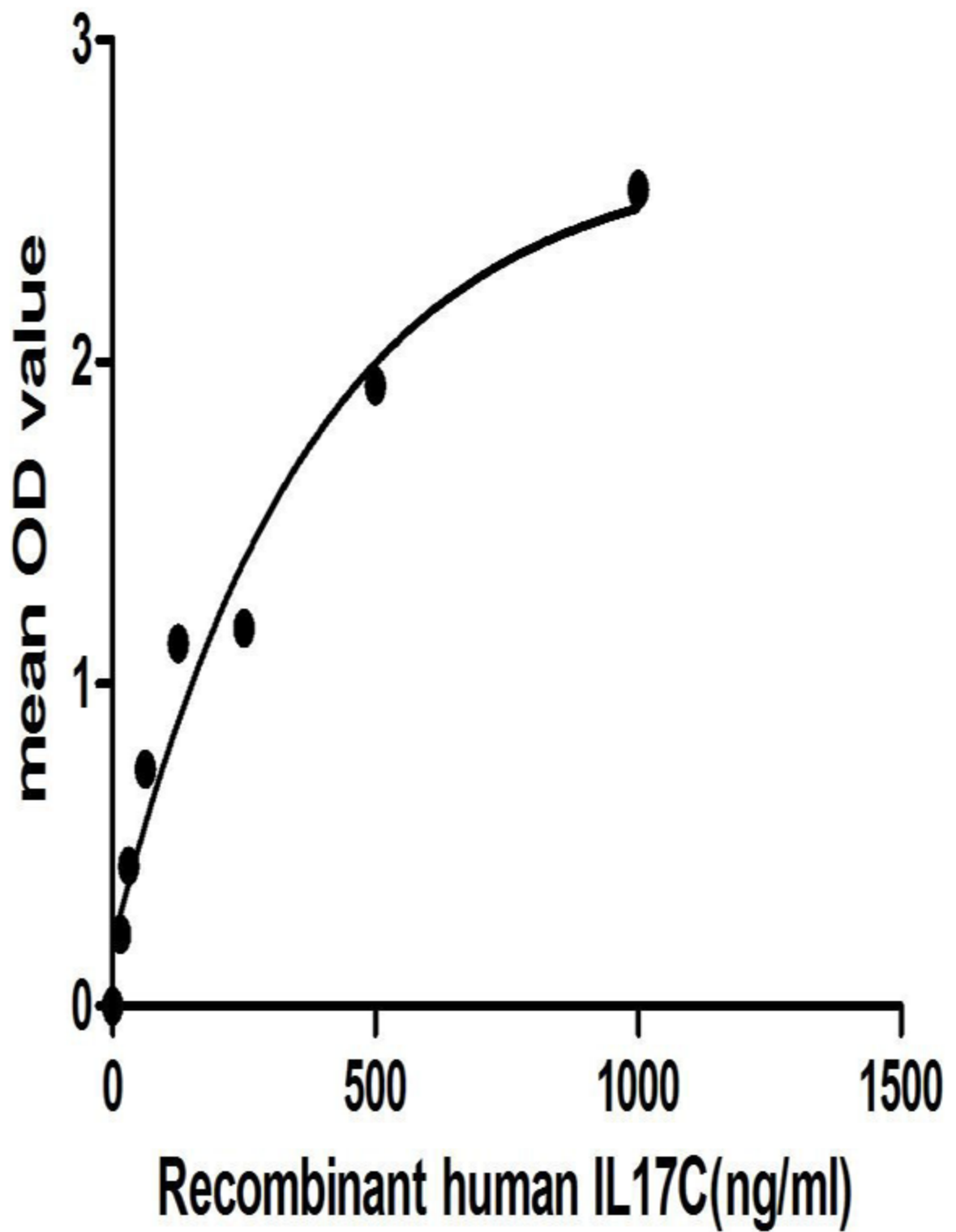
Isoelectric Point

8.2

Applications

Cell culture; Activity Assays.

ACTIVITY TEST



IL17C (Interleukin-17C) is a T cell-derived cytokine that shares the sequence similarity with IL17. IL17C is thought to play a crucial role in innate immunity of the epithelium. IL17C binds with affinity to IL17RA. Thus, a binding ELISA assay was constructed to detect the association of rhIL17C with IL17RA. Briefly, rhIL17C 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°C. Wells were washed with PBST and incubated for 1h with anti-IL17 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. The binding activity of IL17C with IL17RA was shown in Figure 1 and this effect was in a dose dependent manner.

Figure. The binding activity of IL17C with IL17RA.

USAGE

Reconstitute in PBS or others.

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

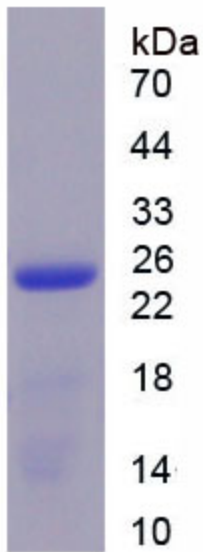


Figure. SDS-PAGE

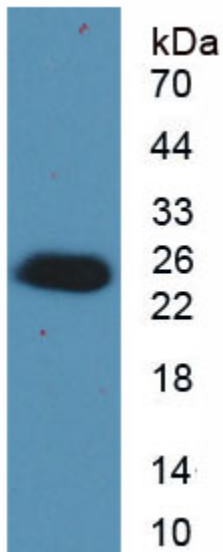


Figure. Western Blot; Sample: Recombinant IL17C, Human.

[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.