

Active Interleukin 4 (IL4)

Instruction Manual

SBPA049Hu01

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%

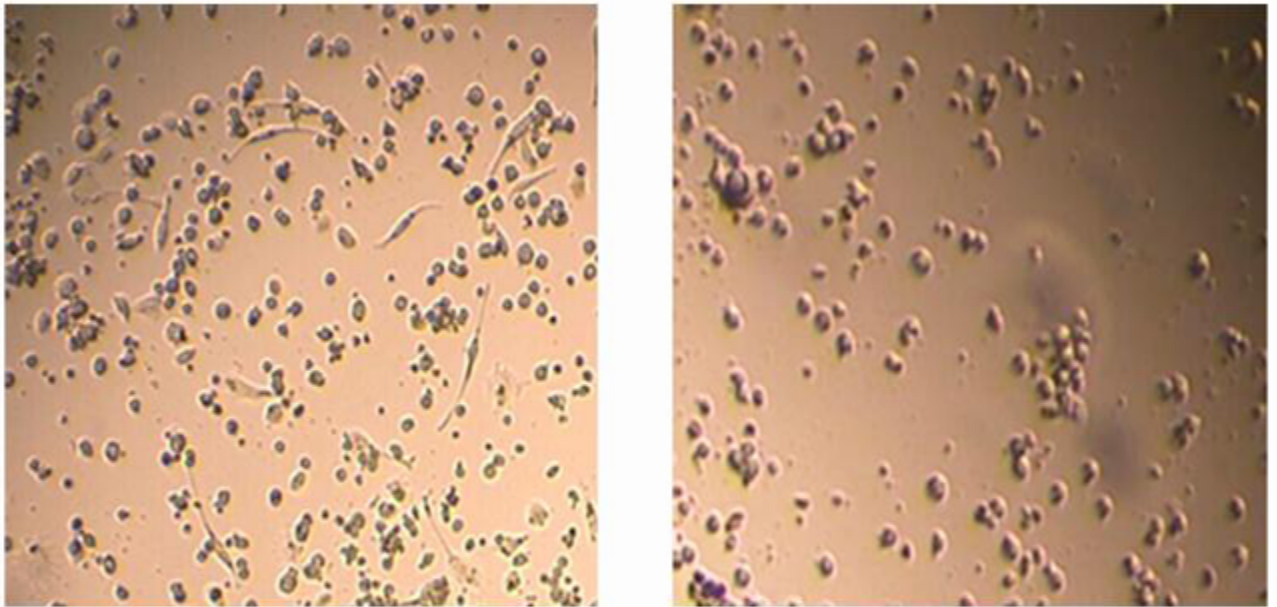
Isoelectric Point

9.3

Applications

Cell culture; Activity Assays.

ACTIVITY TEST



A

B

Figure 1. Morphological change of THP-1 after stimulation of IL4.

(A) THP1 cultured in RPMI-1640, stimulated with IL-4; (B) THP1 cultured in RPMI-1640.

As reported, IL-4 will induce the differentiation of THP-1 cells into dendritic cells and macrophages in vitro. THP-1 cells were cultured in RPMI-1640 and stimulated with 2ng/mL IL-4, after 10 days of stimulation, partial cells became larger, grew synapses, and

had vesicular bodies intracellular, which showed a morphological characteristics of dendritic cells and macrophages.

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

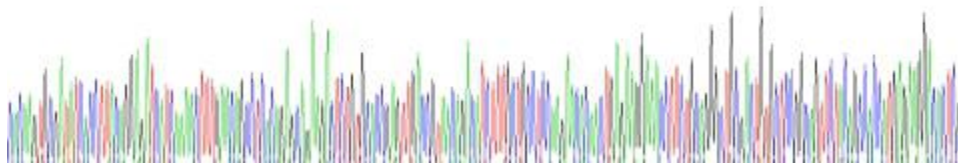
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

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

CGAUGTGGATTCAGTCTTAGGGAGCTCAAGCTTCAAGGCTCCAGGACGAGGACTCTGCAATGGTGAACCTGACCTGAGGAGCTTTCTTTCTGAGGACCACTGAGGAGAACTTTCCAGGCTGAGCCTTATCCAGGCTCTCAGTACCTGAGGAGCTTC
B E C D E F G H I J K L M N O P Q R S T U V W X Y Z



SDS-PAGE Image

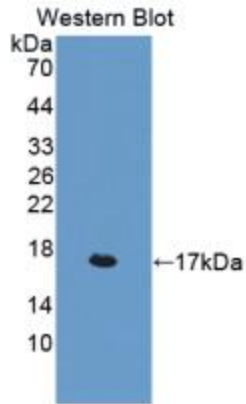


Figure. Western Blot; Sample: Recombinant IL4, Human.

[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.