

# Active Interleukin 4 (IL4)

## Instruction Manual

**SBPA049Hu61**

**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%

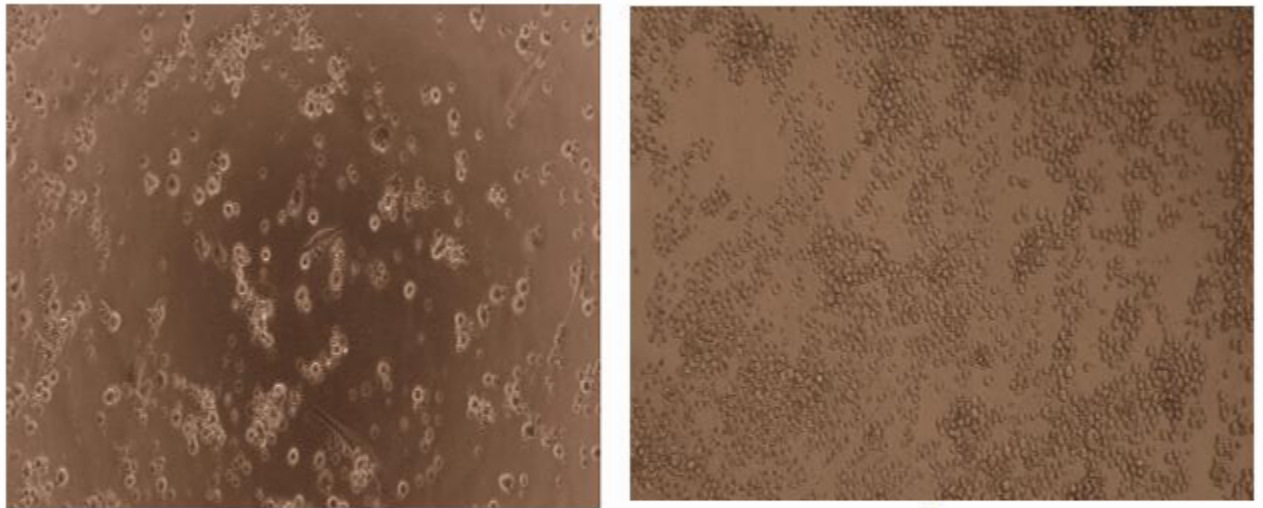
**Isoelectric Point**

9.3

**Applications**

Cell culture; Activity Assays.

**ACTIVITY TEST**



A

B

**Figure 1. Effect of IL4 on THP1 cells**

**(A) THP1 cells cultured in RPMI-1640, stimulated with IL-4;**

**(B) Unstimulated THP1 cells cultured in RPMI-1640**

Interleukin 4 (IL4) is a cytokine that induces differentiation of naive helper T cells and monocyte. As reported, IL-4 would induce the differentiation of THP-1 cells into dendritic cells and macrophages in vitro. In house data was obtained by the following experiment :THP-1 cells were cultured in RPMI-1640 and stimulated with 2ng/mL IL-4, after 7 days of stimulation, cell bodies enlarged with extending pseudopodia, and



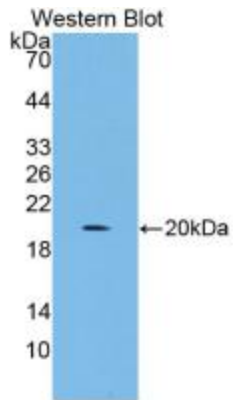


Figure. Western Blot; Sample: APA077Hu61; Antibody: PAA077Hu06

**[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.