

## Anti-IL-4 Antibody [Clone 6-5]

**Catalog Number** LDG0023YA

**Package** 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Overview

#### Description

Interleukin-4 (IL-4) is a multifunctional anti-inflammatory cytokine produced by T helper 2 (TH2) cells, plays an important role in the allergic inflammation. This protein induces differentiation of naive helper T cells (TH0 cells) to TH2 cells, IgG class switch to IgE in B cells and alternative macrophage activation.

#### Product Note

Recommended dilution factor:

ELISA: 1:5000-20000

WB: 1:1000-5000

IFA: 1:400-1000

FACS: Assay dependent

Note: Working dilution for specific application should be determined by the investigator to obtain the best conditions.

### Specifications

#### Host

Mouse

#### Isotype

IgG1

#### Immunogen

Interleukin 4

#### Clonality

Monoclonal

#### Clone Name

clone 6-5

#### Reactivity

Human

**Application**

ELISA, WB, IFA, FACS

**Concentration**

1 mg/mL

**Specificity**

Interleukin 4

**Conjugation**

Unconjugated

**Storage Buffer**

Phosphate Buffered Saline containing 0.03% ProClin 300, pH 7.4.

**Form**

Liquid

**Instruction****Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

**Stability & Storage**

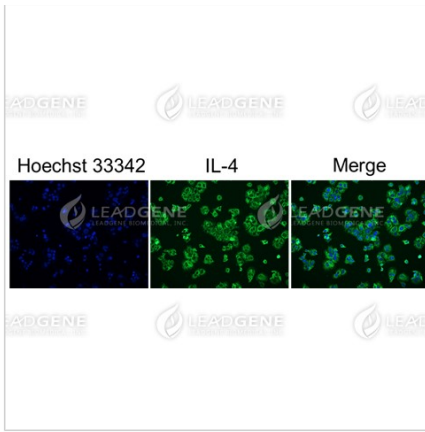
This product is stable after storage at:

- 2-8°C for 2 weeks under sterile conditions from date of receipt.
- -20°C or -80°C for 12 months under sterile conditions from date of receipt.

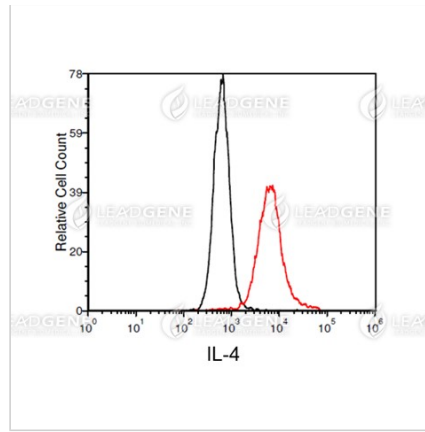
Avoid repeated freeze/thaw cycles.

Suggestion: Divide antibody into several vials.  
Keep only vials for usage at 2-8°C.

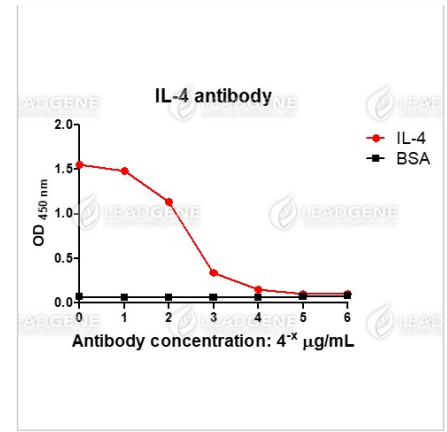
**Image**



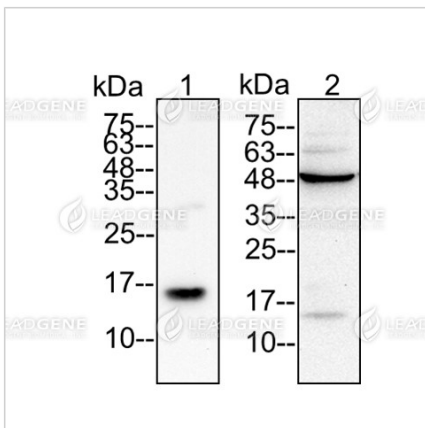
Immunofluorescence analysis of Anti-IL-4 Antibody [Clone 6-5] MCF-7 cells were fixed in 4% PFA, permeabilized with PBS containing 0.1% Triton X-100. Cells were stained with mouse anti-IL-4 monoclonal antibody (1:400) followed by secondary antibodies (goat anti-Mouse IgG-iFluor 488, 1:400, green) and cell nuclei were stained with Hoechst 33342 (Blue).



FACS analysis of Anti-IL-4 Antibody [Clone 6-5] MCF-7 cells were stained with mouse anti-IL-4 monoclonal antibody at 1  $\mu\text{g/ml}$  (red) and without antibody control (black).



ELISA titration of Anti-IL-4 Antibody [Clone 6-5] Titration curve of anti-IL-4 antibody in ELISA. Red: IL-4; Black: BSA (negative control).



Western blotting analysis of Anti-IL-4 Antibody [Clone 6-5]

**Disclaimer :** For Research Use or Further Manufacturing Only.