

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

Clonality

Monoclonal

Isotype

IgG1

Clone Name

clone 6-5

Immunogen

Interleukin 4

Reactivity

Human

Tainan Headquarter

+886-6-2536677

bd@leadgene.com.tw

Innovation & Research Center

+886-2-27065528

CLD Center

+886-6-2536677

Application

ELISA, WB, IFA, FACS

Concentration

1 mg/mL

Specificity

Interleukin 4

Conjugation

Unconjugated

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

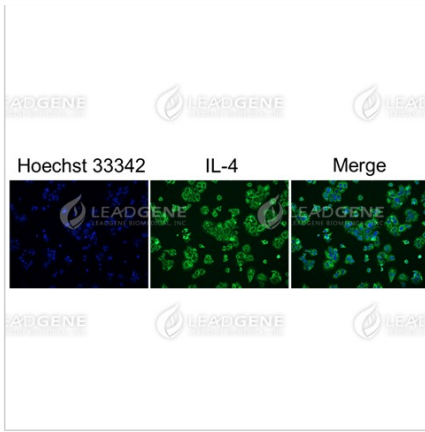
This product is stable after storage at:

- 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.

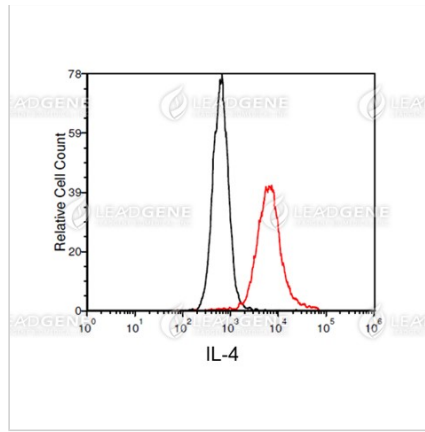
Avoid repeated freeze/thaw cycles.

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

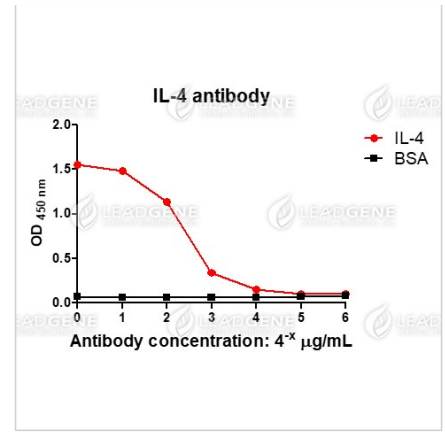
Image**Tainan Headquarter** +886-6-2536677 bd@leadgene.com.tw**Innovation & Research Center** +886-2-27065528**CLD Center** +886-6-2536677



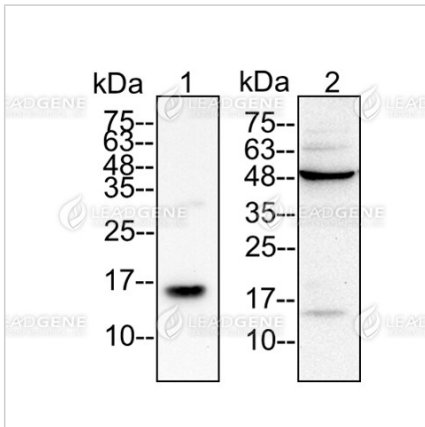
Immunofluorescence analysis of Anti-IL-4 Antibody [Clone 6-5]
MCF-7 cells were fixed in 4% PFA, permeabilized with PBS containing 0.1% Triton X-100. Cells were stained with mouse anti-IL-4 monoclonal antibody (1:400) followed by secondary antibodies (goat anti-Mouse IgG-iFluor 488, 1:400, green) and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

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