Anti-GIF Antibody [Clone 50-1]

Catalog Number	LDG0044YA
Package	100 µg / Customized package

For full product information, images and publications, please visit our website.

Overview

Description

Metallothioneins (MTs) is a group of low-molecular-weight, cysteine-rich, non-enzymatic proteins, is involved in storage, transportation and binding of metals, and plays a critical role in the protection against metal toxicity and oxidative stress. Metallothionein-3 (MT-3，also known as Growth Inhibitory Factor, GIF), a member of the MTs family, is mainly expressed in the central nervous system, can protect neuronal cells from oxidative stress via its anti-oxidant properties. MT-3 is abnormally under-expressed in the brains of Alzheimer's disease patients.

Product Note

Recommended dilution factor:
ELISA: 1:5000-20000
WB: 1:1000-10000
IFA: 1:100-1000
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 50-1

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Immunogen

GIF

Reactivity

Human

Application

ELISA, WB, IFA, FACS

Conjugation

Unconjugated

Concentration

1 mg/mL

Buffer

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

Specificity

GIF

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

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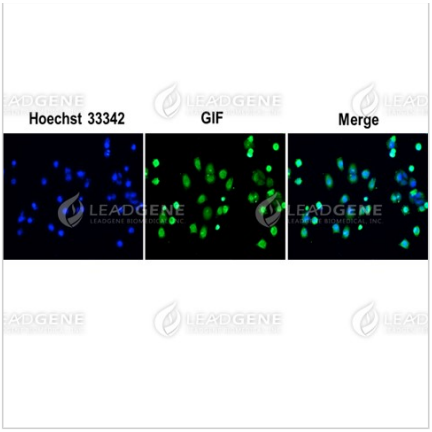
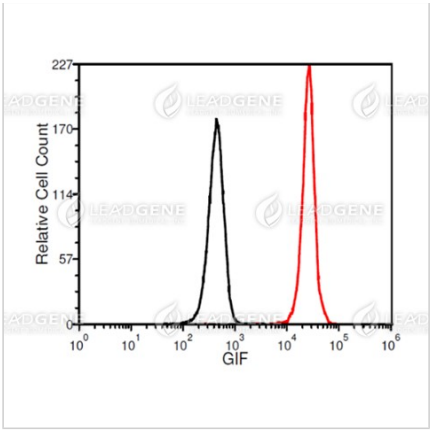
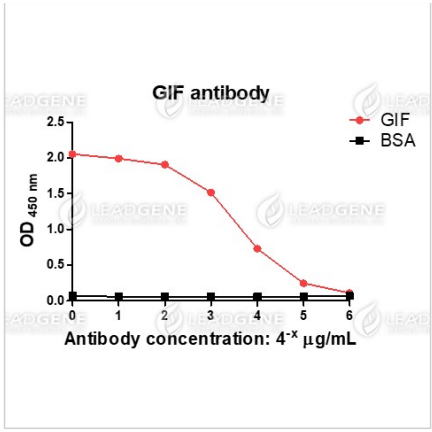


Immunofluorescence analysis of Anti-GIF Antibody [Clone 50-1] HeLa cells were fixed in 4% PFA, permeabilized with PBS containing 0.1%
Triton X-100. Cells were stained with mouse anti-GIF monoclonal antibody
(1:100) followed by secondary antibodies (goat anti-Mouse IgG-iFluor 488,
1:200, green) and cell nuclei were stained with Hoechst 33342 (Blue).



FACS analysis of Anti-GIF Antibody [Clone 50-1]
K562 cells were stained with mouse anti-GIF monoclonal antibody at 2 µg/ml
(red) and without antibody control (black).



ELISA titration of Anti-GIF Antibody [Clone 50-1]
Titration curve of anti-GIF antibody in ELISA. Red: GIF; Black: BSA (negative control).

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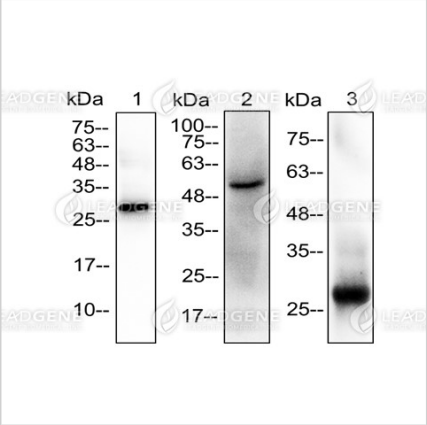

Western blotting analysis of Anti-GIF Antibody [Clone 50-1] Recombinant proteins and mouse stomach lysates were stained with mouse anti-GIF monoclonal antibody at 1:5000 dilution. Lane 1: Recombinant GIF protein (100 ng). Lane 2: Mouse stomach lysate (30 µg). Lane 3: Human gastric juice (10 µL).

Disclaimer : For Research Use or Further Manufacturing Only.

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