

GILZ Monoclonal Antibody (CFMKG15), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	CFMKG15
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1659716

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	Assay-Dependent	-
Flow Cytometry (Flow)	0.5 µg/test	4 Publications

Product Specific Information

Description: GILZ is a leucine-zipper-containing protein that is induced by glucocorticoids. It is expressed in mast cells, monocytes, macrophages, dendritic cells, and T cells. GILZ has been shown to inhibit production of IL-2 as well as TCR-driven upregulation of FasL. GILZ mediates these changes in transcription, at least in part, by inhibiting DNA-binding of the transcription factors AP-1 and NF-kappaB. GILZ has also been shown to mediate anti-inflammatory signals in macrophages and dendritic cells by interfering with NF-kappaB-mediated signaling. Although GILZ has been reported to localize to the nucleus, more recent reports as well as testing at eBioscience have observed predominantly cytoplasmic staining.

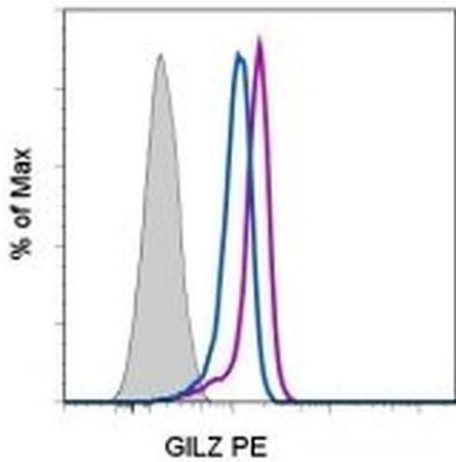
Applications Reported: This CFMKG15 antibody has been reported for use in intracellular staining followed by flow cytometric analysis and immunocytochemistry.

Applications Tested: This CFMKG15 antibody has been tested by intracellular flow cytometric analysis of dexamethasone-treated mouse lymph node cells and human peripheral blood cells. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. For intracellular staining with CFMKG15, it is recommended to use IC Fixation Buffer (cat. 00-8222) followed by permeabilization with a 1X dilution of the 10X Permeabilization Buffer (cat. 00-8333).

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

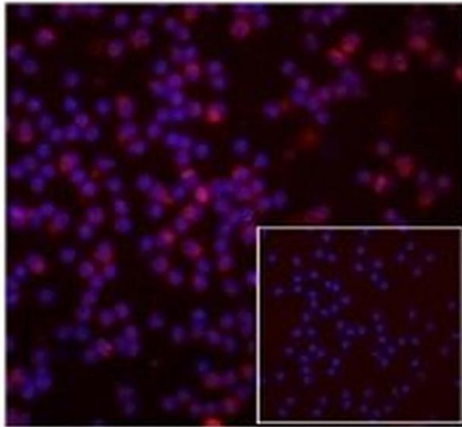
Filtration: 0.2 µm post-manufacturing filtered.

Product Images For GILZ Monoclonal Antibody (CFMKG15), PE, eBioscience™



GILZ Antibody (12-4033-82) in Flow

C57BL/6 lymph node cells were cultured for 3 hr with (purple histogram) or without (blue histogram) dexamethasone, followed by intracellular staining with 0.25 µg of Rat IgG2a kappa Isotype Control PE (Product # 12-4321-80) (filled histogram) or 0.25 µg of Anti-Human/Mouse GILZ PE (filled histograms). CD3+ cells in the lymphocyte gate were used for analysis.



GILZ Antibody (12-4033-82) in ICC/IF

Normal human peripheral blood cells were cultured for 3 hr with dexamethasone, followed by intracellular staining with 5 µg/mL of Rat IgG2a kappa Isotype Control PE (Product # 12-4321-80) (inset) or 5 µg/mL of Anti-Human/Mouse GILZ PE. Cells were cytopspun onto glass slides and the nuclei were counterstained with DAPI.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Flow Cytometry (4)

Cell reports

Chronic stress physically spares but functionally impairs innate-like invariant T cells.

"Published figure using GILZ monoclonal antibody (Product # 12-4033-82) in Flow Cytometry"

Authors: Rudak PT,Choi J,Parkins KM,Summers KL,Jackson DN,Foster PJ,Skaro AI,Leslie K,McAlister VC,Kuchroo VK, Inoue W,Lantz O,Haeryfar SMM

Species
Not Applicable

Dilution
Not Cited

Year
2021

Journal of immunology research

Regulation of Innate Lymphoid Cells in Acute Kidney Injury: Crosstalk between Cannabidiol and GILZ.

"Published figure using GILZ monoclonal antibody (Product # 12-4033-82) in Flow Cytometry"

Authors: Baban B,Khodadadi H,Vaibhav K,Marchetti C,Riccardi C,Mozaffari MS

Species
Not Applicable

Dilution
Not Cited

Year
2020

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