

GILZ Monoclonal Antibody (CFMKG15), eBioscience™

Product Details

Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	CFMKG15
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_1311225

Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	6 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	Assay-Dependent	1 Publication
Flow Cytometry (Flow)	Assay-Dependent	5 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, immunoblotting (WB), and immunocytochemistry. (Fluorochrome conjugated CFMKG15 is recommended for use in intracellular flow cytometry.).

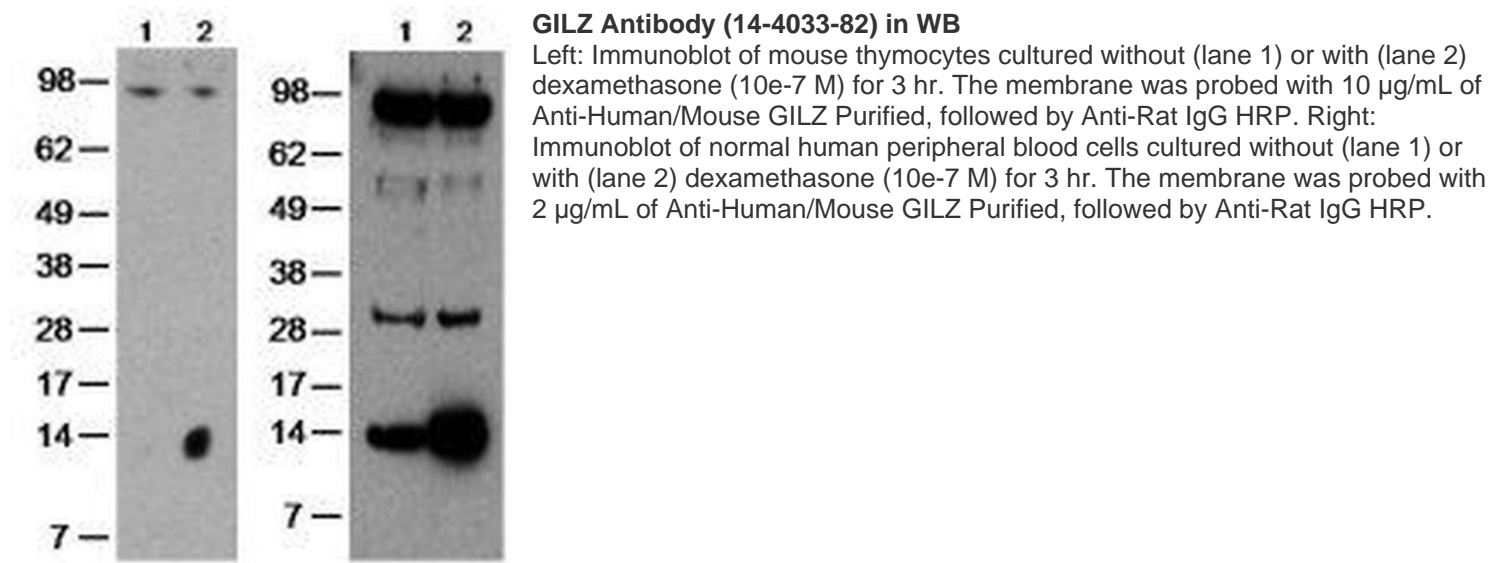
Applications Tested: This CFMKG15 antibody has been tested by western blot analysis of dexamethasone-treated mouse thymocytes. CFMKG15 recognizes endogenous mouse GILZ with an approximate molecular weight of 14 kDa; a non-specific band of approximately 95 kDa is also observed. CFMKG15 also recognizes endogenous human GILZ in dexamethasone-treated peripheral blood mononuclear cells, with an approximate molecular weight of 14 kDa; non-specific bands may also appear at approximately 33 kDa and 95 kDa. This can be used at less than or equal to 2 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

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



[View more figures on thermofisher.com](#)

Western Blot (6)

Scientific reports

Janus effect of glucocorticoids on differentiation of muscle fibro/adipogenic progenitors.

"Published figure using GILZ monoclonal antibody (Product # 14-4033-82) in Western Blot"

Authors: Cerquone Perpetuini A, Giuliani G, Reggio A, Cerretani M, Santoriello M, Stefanelli R, Palma A, Vumbaca S, Harper S, Castagnoli L, Bresciani A, Cesareni G

Year
2020

Species
Mouse

Dilution
1:250

Frontiers in immunology

Glucocorticoid-Induced Leucine Zipper Inhibits Interferon-Gamma Production in B Cells and Suppresses Colitis in Mice.

"14-4033 was used in Western Blotting to indicate that GILZ controls IFN- production in B cells, which also affects T cell activity, and increased production of IFN- by B and T cells in LP is associated with predisposition to inflammatory colitis in mice."

Authors: Bruscoli S, Sorcini D, Flamini S, Gagliardi A, Adamo F, Ronchetti S, Migliorati G, Bereshchenko O, Riccardi C

Year
2019

Species
Mouse

[View more WB references on thermofisher.com](#)

Immunohistochemistry (Frozen) (1)

Nature communications

DDX5 plays essential transcriptional and post-transcriptional roles in the maintenance and function of spermatogonia.

"14-4033-82 was used in Immunohistochemistry (Frozen) to study the role of DDX5 in spermatogenesis."

Authors: Legrand JMD, Chan AL, La HM, Rossello FJ, Änkö ML, Fuller-Pace FV, Hobbs RM

Year
2019

Species
Mouse

Dilution
1:1000

Immunocytochemistry (1)

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 # 14-4033-82) in Immunocytochemistry"

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

Year
2020

More applications with references on thermofisher.com

Flow (5)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.