

GL7 Monoclonal Antibody (GL-7 (GL7)), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgM
Recommended Isotype Control	Rat IgM Isotype Control (eBRM), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	GL-7 (GL7)
Conjugate	Biotin
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, do not freeze
RRID	AB_823151

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	7 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	5 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.5 µg/test	18 Publications
Functional Assay (FN)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

Description: This GL7 monoclonal antibody reacts with a cell-surface protein found on T and B lymphocytes activated in vitro, on bone marrow pre-B-II cells, germinal center B cells, and also human B cell lines Ramos and Daudi. There is strain variability with respect to antigen distribution on thymocytes and Con A-activated spleen cells, with expression in BALB/c greater than that in C57BL/6. GL7 is commonly used as a marker for mouse germinal center B cells. The epitope of GL7 has been identified as a sialic acid glycan moiety called Neu5Ac. This moiety is recognized by CD22.

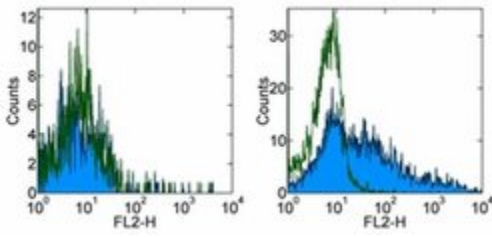
Applications Reported: This GL-7 (GL7) antibody has been reported for use in flow cytometric analysis.

Applications Tested: The GL-7 (GL7) antibody has been tested by flow cytometric analysis of Con A-stimulated mouse splenocytes. 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 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells /test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 μ m post-manufacturing filtered.

Product Images For GL7 Monoclonal Antibody (GL-7 (GL7)), Biotin, eBioscience™



GL7 Antibody (13-5902-82) in Flow

Staining of 3-day unstimulated (left) and 3-day ConA activated (right) BALB/c splenocytes with 0.5 μ g of Rat IgM Isotype Control Biotin (Product # 13-4341-81) (open histogram) or 0.25 μ g of Anti-Human/Mouse GL7 (T and B Cell Activation Marker) Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Total viable cells were used for analysis.

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

Immunohistochemistry (7)

Cell metabolism

Microbiota-Derived Metabolites Suppress Arthritis by Amplifying Aryl-Hydrocarbon Receptor Activation in Regulatory B Cells.

"Published figure using GL7 monoclonal antibody (Product # 13-5902-82) in Immunohistochemistry"

Authors: Rosser EC, Piper CJM, Matei DE, Blair PA, Rendeiro AF, Orford M, Alber DG, Krausgruber T, Catalan D, Klein N, Manson JJ, Drozdov I, Bock C, Wedderburn LR, Eaton S, Mauri C

Species
Not Applicable

Dilution
Not Cited

Year
2020

Frontiers in immunology

Deficiency in Calcium-Binding Protein S100A4 Impairs the Adjuvant Action of Cholera Toxin.

"Published figure using GL7 monoclonal antibody (Product # 13-5902-82) in Immunofluorescence"

Authors: Sun JB, Holmgren J, Larena M, Terrinoni M, Fang Y, Bresnick AR, Xiang Z

Species
Not Applicable

Dilution
Not Cited

Year
2019

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

Immunohistochemistry (Paraffin) (1)

Mucosal immunology

Single cell and tissue-transcriptomic analysis of murine bladders reveals age- and TNF-dependent but microbiota-independent tertiary lymphoid tissue formation.

"13-5902-82 was used in Immunohistochemistry (Paraffin) to indicate that chronic, age-associated inflammation underlies a fundamental alteration to the bladder and establishes a resource for further investigation of the bladder immune system in homeostasis, aging, and disease."

Authors: Ligon MM, Wang C, DeJong EN, Schulz C, Bowdish DME, Mysorekar IU

Species
Mouse

Dilution
Not Cited

Year
2020

Immunohistochemistry (Frozen) (5)

Cell reports

Diversity of the CD4 T Cell Alloresponse: The Short and the Long of It.

"13-5902 was used in Immunohistochemistry to indicate that direct and indirect-pathway CD4 T cell alloresponses, against MHC II alloantigens, are curtailed by elimination of donor hematopoietic antigen-presenting cells."

Authors: Ali JM, Negus MC, Conlon TM, Harper IG, Qureshi MS, Motallebzadeh R, Willis R, Saeb-Parsy K, Bolton EM, Bradley JA, Pettigrew GJ

Species
Mouse

Dilution
Not Cited

Year
2016

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More applications with references on thermofisher.com

ICC/IF (2) Flow (18) FN (1) Misc (1)

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