

TCR gamma/delta Monoclonal Antibody (eBioGL3 (GL-3, GL3)), Biotin, eBioscience™

Product Details	
Size	100 µg
Species	Mouse
Published Species	Mouse
Expression System	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioGL3 (GL-3, GL3)
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466668

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	11 Publications
Miscellaneous PubMed (Misc)	-	2 Publications

Product Specific Information

Description: The GL3 monoclonal antibody reacts with the gamma delta T-cell Receptor complex (TCR) on all gamma delta TCR bearing T cells, but it does not react with alpha beta TCR. The gamma delta TCR is present on cells in the thymus, epidermis, epithelial lining of the intestine, peritoneal cavity, and lymphoid tissues.

Applications Reported: This GL3 (GL-3) antibody has been reported for use in flow cytometric analysis.

It is recommended to prestain cells with anti-mouse CD16/32 (cat. 14-0161) to prevent non-specific Fc-mediated binding of the GL3 monoclonal antibody.

Applications Tested: This GL3 (GL-3) antibody has been tested by flow cytometric analysis of mouse lymph node cells. This can be used at less than or equal to 0.25 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.

Filtration: 0.2 µm post-manufacturing filtered.

13 References

Flow Cytometry (11)

Mucosal immunology

Protective role of T cells in cigarette smoke and influenza infection.

"Published figure using TCR gamma/delta monoclonal antibody (Product # 13-5711-82) in Flow Cytometry"

Authors: Hong MJ, Gu BH, Madison MC, Landers C, Tung HY, Kim M, Yuan X, You R, Machado AA, Gilbert BE, Soroosh P, Elloso M, Song L, Chen M, Corry DB, Diehl G, Kheradmand F

Species
Not Applicable

Dilution
Not Cited

Year
2018

PloS one

Expression of a Chimeric Antigen Receptor in Multiple Leukocyte Lineages in Transgenic Mice.

"13-5711 was used in Flow cytometry/Cell sorting to generate a mouse model expressing chimeric antigen receptors (CARs) specific for a tumour antigen under a pan-hematopoietic promoter."

Authors: Yong CS, Westwood JA, Schröder J, Papenfuss AT, von Scheidt B, Moeller M, Devaud C, Darcy PK, Kershaw MH

Species
Mouse

Dilution
Not Cited

Year
2016

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Miscellaneous PubMed (2)

The EMBO journal

The alarmin Mrp8/14 as regulator of the adaptive immune response during allergic contact dermatitis.

"13-5711 was used in Magnetic cell separation to study the role of TLR-4 ligand Mrp8/14 in inflammation and adaptive immunity."

Authors: Petersen B, Wolf M, Austermann J, van Lent P, Foell D, Ahlmann M, Kupas V, Loser K, Sorg C, Roth J, Vogl T

Species
Mouse

Dilution
Not Cited

Year
2013

The American journal of pathology

Dual functions of prostaglandin D2 in murine contact hypersensitivity via DP and CRTH2.

"13-5711 was used in Magnetic cell separation to demonstrate that prostaglandin D2 signals through CRTH2 and DP to mediate contact hypersensitivity."

Authors: Yamamoto Y, Otani S, Hirai H, Nagata K, Aritake K, Urade Y, Narumiya S, Yokozeki H, Nakamura M, Satoh T

Species
Mouse

Dilution
Not Cited

Year
2011

More applications with references on thermofisher.com

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