

# TCR gamma/delta Monoclonal Antibody (eBioGL3 (GL-3, GL3)), PerCP-eFluor™ 710, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), PerCP-eFluor™ 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioGL3 (GL-3, GL3)
Conjugate	PerCP-eFluor™ 710
Excitation/Emission Max	482/708 nm
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_2016707

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	20 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 eBioGL3 (GL-3, GL3) antibody has been tested by flow cytometric analysis of mouse lymph node cells. This can be used at less than or equal to 0.125 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 10<sup>5</sup> to 10<sup>8</sup> cells /test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

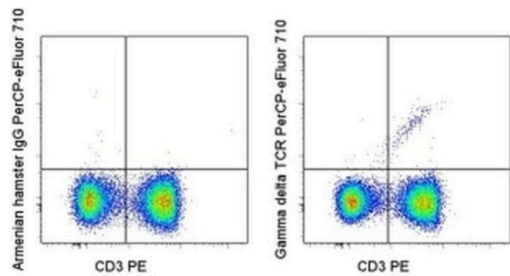
PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

**Product Images For TCR gamma/delta Monoclonal Antibody (eBioGL3 (GL-3, GL3)), PerCP-eFluor™ 710, eBioscience™**



**TCR gamma/delta Antibody (46-5711-82) in Flow**  
Staining of C57BL/6 lymph node cells with Anti-Mouse CD3e PE (Product # 12-0031-82) and 0.06 µg of Armenian Hamster IgG Isotype Control PerCP-eFluor® 710 (Product # 46-4888-82) (left) or 0.06 µg of Anti-Mouse gamma/delta TCR PerCP-eFluor® 710 (right). Total viable cells were used for analysis.

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

Flow Cytometry (20)

European journal of immunology

Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition).

"46-5711-82 was used in Flow cytometry/Cell sorting to provide the key aspects to consider when performing flow cytometry experiments."

Authors: Cossarizza A,Chang HD,Radbruch A,Abrignani S,Addo R,Akdis M,Andrá I,Andreato F,Annunziato F,Arranz E, Bacher P,Bari S,Barnaba V,Barros-Martins J,Baumjohann D,Beccaria CG,Bernardo D,Boardman DA,Borger J,Böttcher C,Brockmann L,Burns M,Busch DH,Cameron G,Cammarata I,Cassotta A,Chang Y,Chirido FG,Christakou E,iin-Sain L, Cook L,Corbett AJ,Cornelis R,Cosmi L,Davey MS,De Biasi S,De Simone G,Del Zotto G,Delacher M,Di Rosa F,Di Santo J,Diefenbach A,Dong J,Dörner T,Dress RJ,Dutertre CA,Eckle SBG,Eede P,Evrard M,Falk CS,Feuerer M,Fillatreau S, Fiz-Lopez A,Follo M,Foulds GA,Fröbel J,Gagliani N,Galletti G,Gangaev A,Garbi N,Garrote JA,Geginat J,Gherardin NA, Gibellini L,Ginhoux F,Godfrey DI,Gruarin P,Haftmann C,Hansmann L,Harpur CM,Hayday AC,Heine G,Hernández DC, Herrmann M,Hoelsken O,Huang Q,Huber S,Huber JE,Huehn J,Hundemer M,Hwang WYK,Iannacone M,Ivison SM,Jäck HM,Jani PK,Keller B,Kessler N,Ketelaars S,Knop L,Knopf J,Koay HF,Kobow K,Kriegsmann K,Kristyanto H,Krueger A, Kuehne JF,Kunze-Schumacher H,Kvistborg P,Kwok I,Latorre D,Lenz D,Levings MK,Lino AC,Liotta F,Long HM,Lugli E, MacDonald KN,Maggi L>Maini MK,Mair F,Manta C,Manz RA,Mashreghi MF,Mazzoni A,McCluskey J,Mei HE,Melchers F, Melzer S,Mielenz D,Monin L,Moretta L,Multhoff G,Muñoz LE,Muñoz-Ruiz M,Muscate F,Natalini A,Neumann K,Ng LG, Niedobitek A,Niemz J,Almeida LN,Notarbartolo S,Ostendorf L,Pallett LJ,Patel AA,Percin GI,Peruzzi G,Pinti M,Pockley AG,Pracht K,Prinz I,Pujol-Autonell I,Pulvirenti N,Quatrini L,Quinn KM,Radbruch H,Rhys H,Rodrigo MB,Romagnani C, Saggau C,Sakaguchi S,Sallusto F,Sanderink L,Sandrock I,Schauer C,Scheffold A,Scherer HU,Schiemann M, Schildberg FA,Schober K,Schoen J,Schuh W,Schüler T,Schulz AR,Schulz S,Schulze J,Simonetti S,Singh J,Sitnik KM, Stark R,Starosom S,Stehle C,Szelinski F,Tan L,Tarnok A,Tornack J,Tree TIM,van Beek JJP,van de Veen W,van Gisbergen K,Vasco C,Verheyden NA,von Borstel A,Ward-Hartstonge KA,Warnatz K,Waskow C,Wiedemann A,Wilharm A,Wing J,Wirz O,Wittner J,Yang JHM,Yang J

Year  
2021

Species  
Mouse

Brain, behavior, and immunity

Environmental activation of a hypothalamic BDNF-adipocyte IL-15 axis regulates adipose-natural killer cells.

"46-5711-82 was used in Flow cytometry/Cell sorting to show that hypothalamic brain-derived neurotrophic factor upregulates IL-15 production in adipocytes via sympathetic -adrenergic signaling."

Authors: Bergin SM,Xiao R,Huang W,Judd CRT,Liu X,Mansour AG,Queen N,Widstrom KJ,Caligiuri MA,Cao L

Year  
2021

Species  
Mouse

[View more Flow references on thermofisher.cn](#)

More applications with references on thermofisher.cn

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