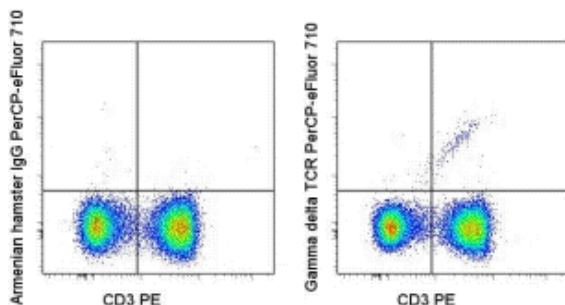


## Anti-Mouse gamma delta TCR PerCP-eFluor® 710

Catalog Number: 46-5711

RUO: For Research Use Only. Not for use in diagnostic procedures.



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

### Product Information

**Contents:** Anti-Mouse gamma delta TCR PerCP-eFluor® 710


**REF** **Catalog Number:** 46-5711

**Clone:** eBioGL3 (GL-3, GL3)

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Armenian Hamster IgG

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 **Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**LOT** **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

 **Contains sodium azide**

### 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.

Click here or contact eBioscience Technical Support for more information on eFluor® Organic Dyes including PerCP-eFluor® 710.

### References

Maloy KJ, Mowat AM, Zamoyska R, Crispe IN. Phenotypic heterogeneity of intraepithelial T lymphocytes from mouse small intestine. *Immunology*. 1991 Apr;72(4):555-62.

LeFrançois, L. Phenotypic complexity of intraepithelial lymphocytes of the small intestine. *J Immunol*. 1991 Sep 15;147(6):1746-51.

Allison JP, Raulet DH. The immunobiology of gamma delta+ T cells. *Semin Immunol*. 1990 Jan;2(1):59-65.

### Related Products

12-0031 Anti-Mouse CD3e PE (145-2C11)  
46-4888 Armenian Hamster IgG Isotype Control PerCP-eFluor® 710 (eBio299Arm)

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