

CD3 epsilon antibody [145-2C11] (PE-Cy7)

Cat. No. GTX00603-10

Host Armenian Hamster**Clonality** Monoclonal**Isotype** IgG1**Applications** FCM**Reactivity** Mouse[References \(10 \)](#)[Package](#)

100 µg

PRODUCT

Summary

The 145-2C11 antibody is specific for mouse CD3ε, also known as CD3 epsilon, a 20 kDa subunit of the T cell receptor complex, along with CD3 gamma and CD3 delta. These integral membrane protein chains assemble with additional chains of the T cell receptor (TCR), as well as CD3 zeta chain, to form the T cell receptor – CD3 complex. Together with co-receptors CD4 or CD8, the complex serves to recognize antigens bound to MHC molecules on antigen-presenting cells. Such interactions promote T cell receptor signaling (T cell activation) and can result in a number of cellular responses including proliferation, differentiation, production of cytokines or activation-induced cell death. CD3 is differentially expressed during thymocyte-to-T cell development and on all mature T cells.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution

Recommended dilution

FCM

Assay dependent

Not tested in other applications.

Properties

Form Liquid**Buffer** 10mM NaH₂PO₄, 150mM NaCl, 0.1% Gelatin**Preservative** 0.09% Sodium azide**Storage** Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.**Concentration** 0.2 mg/ml (Please refer to the vial label for the specific concentration.)**Immunogen** Mouse BM10-37 cytotoxic T lymphocytes**Purification** Purified by affinity chromatography
From tissue culture supernatant**Conjugation** Phycoerythrin-Cyanine7 (PE-Cy7) [Wavelength](#)

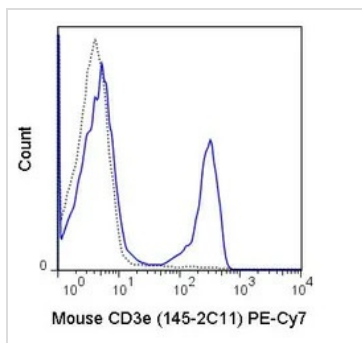
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Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

**GTX00603-10 FCM Image**

FACS analysis of C57Bl/6 splenocytes using GTX00603-10 CD3 epsilon antibody [145-2C11] (PE-Cy7).

Solid line : Primary antibody

Dashed line : PE-Cy7 Armenian hamster IgG isotype control

Antibody amount : 1 μ g



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