

CD3 epsilon antibody [145-2C11] (APC)

Cat. No. GTX80303

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.

Product Note

The hamster monoclonal antibody 145-2C11 reacts with mouse CD3 (epsilon subunit). This antibody is commonly used as a phenotypic marker for mouse T cells.

Properties

Form	Liquid
Buffer	10mM NaH ₂ PO ₄ , 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	Allophycocyanin (APC) Wavelength



For full product information, images and publications, please visit our [website](#).

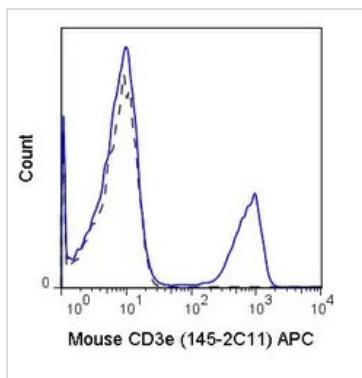
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Note

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

**GTX80303 FCM Image**

FACS analysis of C57Bl/6 splenocytes using GTX80303 CD3 epsilon antibody [145-2C11] (APC).

Solid line : Primary antibody

Dashed line : APC Armenian hamster IgG isotype control

Antibody amount : 0.25 µg



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