

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

Cat. No. GTX80303

<b>Host</b>	Armenian Hamster
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Applications</b>	FCM
<b>Reactivity</b>	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

<b>Form</b>	Liquid
<b>Buffer</b>	10mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl, 0.1% Gelatin
<b>Preservative</b>	0.09% Sodium azide
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C. DO NOT FREEZE. Protect from light.
<b>Concentration</b>	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Mouse BM10-37 cytotoxic T lymphocytes
<b>Purification</b>	Purified by affinity chromatography From tissue culture supernatant
<b>Conjugation</b>	Allophycocyanin (APC) <a href="#">Wavelength</a>



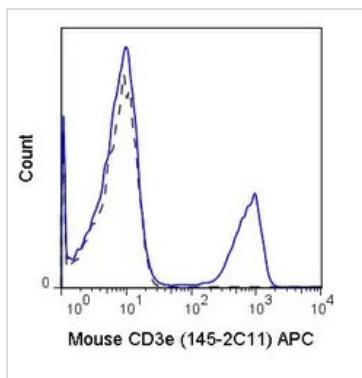
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**Note**

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  $\mu$ g



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