

## CD3 antibody [17A2] (PE)

## Cat. No. GTX01458-08

Host	Rat
Clonality	Monoclonal
Isotype	IgG2b
Applications	FCM
Reactivity	Mouse

References ( 261 )

Package

100 µg

## PRODUCT

**Summary** The 17A2 antibody reacts with the mouse CD3 complex, comprised of CD3 epsilon, 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. The 17A2 antibody is a widely used phenotypic marker for mouse T cells. In addition, as the CD3e chain within the TCR complex contains intracellular signaling domains, binding of 17A2 antibody to CD3 can induce cell activation (use format suitable for functional assays).

## 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	
<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>Purification</b> Purified by affinity chromatography From tissue culture supernatant	
<b>Conjugation</b> Phycoerythrin (PE) <a href="#">Wavelength</a>	



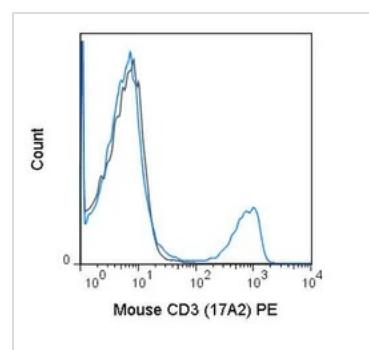
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**Note**

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****GTX01458-08 FCM Image**

FACS analysis of mouse C57Bl/6 splenocytes using GTX01458-08 CD3 antibody [17A2] (PE).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.5 µg (5 µl)



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