

CD19 antibody [1D3] (PE)

Cat. No. GTX00554-08

Host	Rat
Clonality	Monoclonal
Isotype	IgG3a
Applications	FCM
Reactivity	Mouse

Package

100 µg

PRODUCT

Summary

The 1D3 antibody reacts with mouse CD19, a 95 kDa glycoprotein which acts as a co-receptor, along with CD21 and CD81, in support of the functional B cell receptor (BCR). This complex provides antigen-specific recognition and subsequent activation of B cells to proliferate and differentiate into antibody-secreting cells (plasma cells) or memory B cells, which are crucial for secondary antigen encounter. CD19 is a lineage-differentiation marker, as its expression is detectable at the earliest B cell stages, through development, and is finally lost upon transition to mature plasma cells. The 1D3 antibody is widely used as a phenotypic marker for CD19 expression on B cells, as well as on dendritic cell subsets.

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 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 CD19-transfected cell line	
Purification Purified by affinity chromatography From tissue culture supernatant	
Conjugation Phycoerythrin (PE) Wavelength	



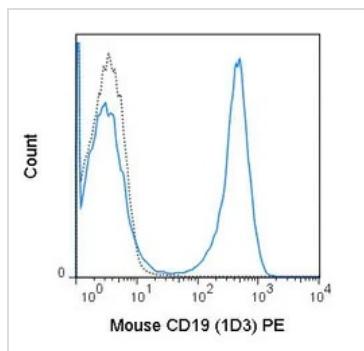
For full product information, images and publications, please visit our [website](#).

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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**GTX00554-08 FCM Image**

FACS analysis of C57Bl/6 splenocytes using GTX00554-08 CD19 antibody [1D3] (PE).

Solid line : Primary antibody

Dashed line : PE rat IgG2a isotype control

Antibody amount : 0.125 µg



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