

## CD19 antibody [HIB19] (PE-Cy5)

Cat. No. GTX01455-09

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	FCM
Reactivity	Human

References ( 1684 )

Package

100 test

## PRODUCT

## Summary

The HIB19 antibody reacts with human CD19, a 95 kDa glycoprotein which acts as a co-receptor, along with CD21, CD81 and CD225, 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 HIB19 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	0.25 µg (5 µl) for 10 <sup>5</sup> -10 <sup>8</sup> cells in 100 µl sample per test

Not tested in other applications.

## Properties

Form	Liquid
Buffer	10mM NaH <sub>2</sub> PO <sub>4</sub> , 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	0.05 mg/ml (Please refer to the vial label for the specific concentration.)
Purification	Purified by affinity chromatography From tissue culture supernatant
Conjugation	Phycoerythrin-Cyanine5 (PE-Cy5) <a href="#">Wavelength</a>

## Note

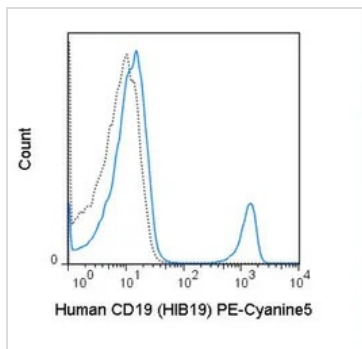
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## DATA IMAGES



### GTx01455-09 FCM Image

FACS analysis of human peripheral blood lymphocytes using GTx01455-09 CD19 antibody [HIB19] (PE-Cy5).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.25  $\mu$ g (5  $\mu$ l)



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