

## CD19 antibody [HIB19] (PE)

Cat. No. GTX01455-08

|              |            |
|--------------|------------|
| 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<br>From tissue culture supernatant                                                     |
| Conjugation   | Phycoerythrin (PE) <a href="#">Wavelength</a>                                                                              |

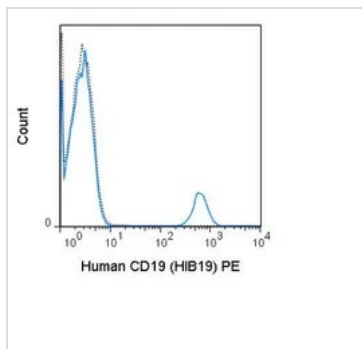
## Note

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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.



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**DATA IMAGES**

**GTX01455-08 FCM Image**

FACS analysis of human peripheral blood lymphocytes using GTX01455-08 CD19 antibody [HIB19] (PE).

Solid line : primary antibody

Dashed line : isotype control

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



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