

CD19 antibody [HIB19] (PE-Cy7)

Cat. No. GTX01455-10

| | |
|---------------------|------------|
| 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 ⁵ -10 ⁸ cells in 100 µl sample per test |

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 | 0.05 mg/ml (Please refer to the vial label for the specific concentration.) |
| Purification | Purified by affinity chromatography From tissue culture supernatant |
| Conjugation | Phycoerythrin-Cyanine7 (PE-Cy7) Wavelength |

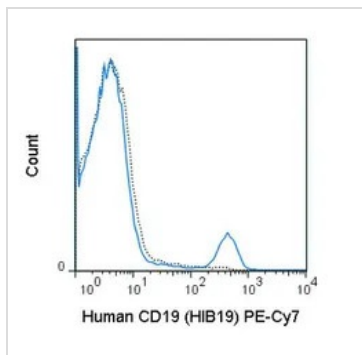
Note

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DATA IMAGES

GTX01455-10 FCM Image

FACS analysis of human peripheral blood lymphocytes using GTX01455-10 CD19 antibody [HIB19] (PE-Cy7).

Solid line : primary antibody

Dashed line : isotype control

antibody amount : 0.25 μ g (5 μ l)



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