# FITC Anti-Human CD21 Antibody[HB5]

**Catalog Number:** E-AB-F1377C

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

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| **Reactivity** | Human |
| **Host** | Mouse |
| **Isotype** | Mouse IgG2a, κ |
| **Clone No.** | HB5 |
| **Isotype Control** | FITC Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802C] |
| **Conjugation** | FITC |
| **Conjugation Information** | FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter). |
| **Storage Buffer** | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. |

## Applications — Recommended usage

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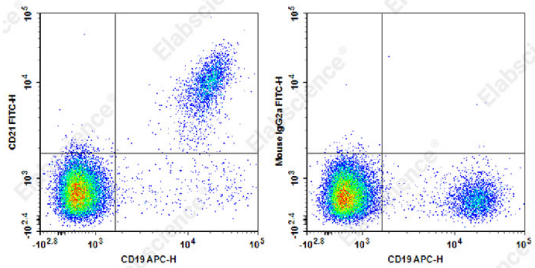
| **FCM** | Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. |

## Data




Staining of normal human peripheral blood cells with APC Anti-Human CD19 Antibody and FITC Anti-Human CD21 Antibody[HB5] (left) or FITC Mouse IgG2a, κ Isotype Control (right). Cells in the lymphocytes gate were used for analysis.

## Preparation & Storage

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| **Storage** | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze. |
| **Shipping** | Ice bag |

## Antigen Information

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| **Alternate Names** | Complement receptor type 2;CR2;Cr2;Complement C3d receptor;Epstein-Barr virus receptor;EBV receptor;CD21 |
| **Uniprot ID** | P20023 |
| **Gene ID** | 1380 |

**Background**

CD21 is a 145 kD transmembrane protein also known as complement C3d receptor ( C3dR), complement receptor 2 (CR2), and Epstein-Barr virus receptor. CD21 is expressed on B cells, follicular dendritic cells, subsets of normal thymocytes and T cells, and some epithelial cells. CD21 is the receptor used by Epstein-Barr virus to infect B cells and is also the complement receptor for C3d. CD21 has also been shown to interact with a number of proteins, including CD23, CD19, annexin VI, CD81, iC3b, complement receptor 1 (CR1, CD35), and interferon-alpha 1 (IFN-α1).