

## PerCP/Cyanine5.5 Anti-Human CD21 Antibody[HI21a]

Catalog Number: E-AB-F1320J

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

### Description

|                         |  |
|-------------------------|--|
| Reactivity              | Human  |
| Host                    | Mouse  |
| Isotype                 | Mouse IgG2a, $\kappa$  |
| Clone No.               | HI21a  |
| Isotype Control         | PerCP/Cyanine5.5 Mouse IgG2a, $\kappa$ Isotype Control[C1.18.4] [Product E-AB-F09802J]   |
| Conjugation             | PerCP/Cyanine 5.5  |
| Conjugation Information | PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter). |
| Storage Buffer          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.  |

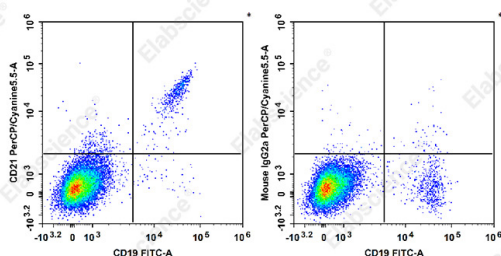
### Applications

### Recommended usage

#### 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  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



Human peripheral blood lymphocytes are stained with FITC Anti-Human CD19 Antibody and PerCP/Cyanine5.5 Anti-Human CD21 Antibody[HI21a] (Left). Lymphocytes are stained with FITC Anti-Human CD19 Antibody and PerCP/Cyanine5.5 Mouse IgG2a,  $\kappa$  Isotype Control (Right).

### Preparation & Storage

|          |   |
|----------|---|
| Storage  | Keep as concentrated solution.<br>This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze. |
| Shipping | Ice bag   |

### Antigen Information

|                 |   |
|-----------------|---|
| Alternate Names | CD21;CR2;Complement C3d receptor;Complement receptor type 2;Cr2;EBV receptor; Epstein-Barr virus receptor |
|-----------------|---|

### For Research Use Only

**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- $\alpha$ 1).

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