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# **APC Anti-Human CD21 Antibody[HB5]**

Catalog Number: E-AB-F1377E

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

# Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG2a, κ

Clone No. HB5

**Isotype Control** APC Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802E]

Conjugation APC

**Conjugation Information** APC is designed to be excited by the Red (627-640 nm) laser and detected using an

optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

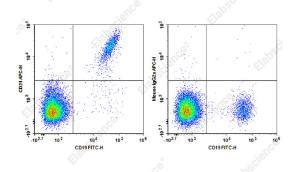
# Applications Recommended usage

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**



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

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

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 Complement receptor type 2;CR2;Cr2;Complement C3d receptor;Epstein-Barr virus

receptor; EBV receptor; CD21

 Uniprot ID
 P20023

 Gene ID
 1380

# For Research Use Only

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## **Elabscience Bionovation Inc.**



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# **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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