

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 700 Anti-Human CD21 Antibody[Hl21a]

Catalog Number: E-AB-F1320M1

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

#### **Description**

Reactivity Human Host Mouse

**Isotype** Mouse IgG2a, κ

Clone No. HI21a

Isotype Control Elab Fluor® 700 Mouse IgG2a, κ Isotype Control[C1.18.4] [Product E-AB-F09802M1]

Conjugation Elab Fluor® 700

**Conjugation Information** Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected

using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).

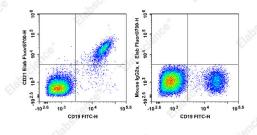
**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

### 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[CB19] and Elab Fluor<sup>®</sup> 700 Anti-Human CD21 Antibody[HI21a](left) or Elab Fluor<sup>®</sup> 700 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 lce bag

#### **Antigen Information**

Alternate Names CD21;CR2;Complement C3d receptor;Complement receptor type 2;Cr2;EBV receptor;

Epstein-Barr virus receptor

Uniprot ID P20023

## For Research Use Only

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#### **Elabscience Bionovation Inc.**



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Gene ID Background 1380

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).