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# PE/Cyanine7 Anti-Human CD19 Antibody[4G7]

Catalog Number: E-AB-F1127H

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

#### Description

Reactivity Human Host Mouse

**Isotype** Mouse IgG1, κ

Clone No. 4G7

Isotype Control PE/Cyanine7 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792H]

Conjugation PE/Cyanine 7

Conjugation Information PE/Cyanine7 is designed to be excited by the Blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 775 nm

(e.g., a 780/60 nm bandpass filter).

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

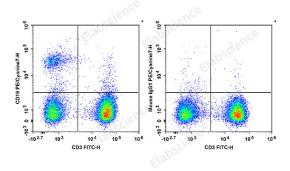
#### Applications Recommended usage

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



Human peripheral blood lymphocytes are stained with FITC Anti-human CD3 Antibody and PE/Cyanine7 Anti-Human CD19 Antibody[4G7] (Left). Lymphocytes are stained with FITC Anti-human CD3 Antibody and PE/Cyanine7 Mouse IgG1, κ Isotype Control (Right).

#### **Preparation & Storage**

**Storage** Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Do not freeze.

Shipping lce bag

### **Antigen Information**

Alternate Names B-lymphocyteantigenCD19;B-lymphocytesurfaceantigenB4;B4;CVID3;T-

cellsurfaceantigenLeu-12

Uniprot ID P15391

## For Research Use Only

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



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Gene ID Background 930

CD19 is a 95 kD type I transmembrane glycoprotein also known as B4. It is a member of the immunoglobulin superfamily expressed on B-cells (from pro-B to blastoid B cell s, absent on plasma cells) and follicular dendritic cells. CD19 is involved in B cell development, activation, and differentiation. CD19 forms a complex with CD21 (CR2) and CD81 (TAPA-1), and functions as a BCR co-receptor.