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# PE Anti-Human CD20 Antibody[2H7]

Catalog No.E-AB-F1212DReactivityHumanStorageStore at 2~8°C, Avoid freeze / thaw cyclesApplicationsFCM

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

### **Antigen Information**

Alternate Names Bp35,Leukocyte surface antigen Leu-16,MS4A1,B-lymphocyte surface antigen B1

Uniprot ID P1183

**Background** CD20 is a 33-37 kD, four transmembrane spanning protein, also known as B1 and Bp35. CD20 is

expressed on pre-B-cells, resting and activated B cells (not plasma cells), some follicular dendritic cells, and at low levels on a T cell subset. CD20 is heavily phosphorylated on activated B cells and malignant B cells. Homo-oligomeric complexes of CD20 are thought to form Ca2+ conductive ion channels in the plasma membrane of B cells. The CD20 molecule is involved in B-cell activation and is associated with various Src family kinases (Lyn, Lck, Fyn). It exists in a complex

with MHC class I and II, CD53, CD81, and CD82.

#### **Product Details**

Form Liquid

Size 20Tests/100Tests/100Tests×2

Clone No. 2H7
Host Mouse

**Isotype** Mouse IgG2b,  $\kappa$ 

**Reactivity** Human **Application** FCM

**Isotype Control** PE Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812D]

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

**Shipping** Biological ice pack at 4 °C **Stability & Storage** Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

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## **Fluorophore**

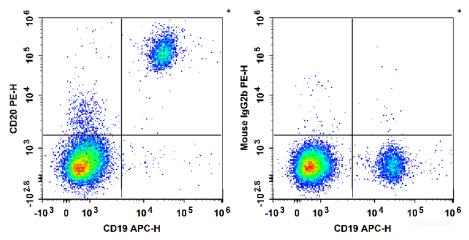
### Conjugation: PE

PE 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 575 nm (e.g., a 585/42 nm bandpass filter).

# **Recommended usage**

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.

#### **Product data**



Human peripheral blood lymphocytes are stained with APC Anti-Human CD19 Antibody and PE Anti-Human CD20 Antibody (Left). Lymphocytes are stained with APC Anti-Human CD19 Antibody and PE Mouse IgG2b, κ Isotype Control (Right).

### **Related Information**

- 1. Sample Preparation for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5594.html">https://www.elabscience.com/List-detail-5594.html</a>
- 2. Staining Cell Surface Targets for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5568.html">https://www.elabscience.com/List-detail-5568.html</a>
- 3. Flow Cytometry Troubleshooting Tips <a href="https://www.elabscience.com/List-detail-5593.html">https://www.elabscience.com/List-detail-5593.html</a>
- 4. How to select the appropriate detection channel through the spectrogram? <a href="https://www.elabscience.com/List-detail-459742.html">https://www.elabscience.com/List-detail-459742.html</a>

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