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# FITC Anti-Human CD20 Antibody[2H7]

Catalog Number: E-AB-F1212C

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

## Description

Reactivity Human;Rhesus;Cynomolgus

Host Mouse

**Isotype** Mouse IgG2b, κ

Clone No. 2H7

Isotype Control FITC Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812C]

Conjugation FITC

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

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

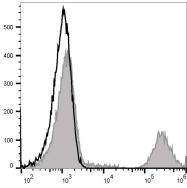
## Applications Recommended usage

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 CD20 Antibody[2H7] (filled gray histogram) or FITC Mouse IgG2b,  $\kappa$  Isotype Control (empty black histogram). 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 B-lymphocyte surface antigen B1;Bp35;Leukocyte surface antigen Leu-16;MS4A1

 Uniprot ID
 P11836

 Gene ID
 931

# For Research Use Only

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### **Elabscience Bionovation Inc.**



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# **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.