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PE/Cyanine 5.5 Anti-Human CD20 Antibody [2H7]

Catalog Number: E-AB-F1212I

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 PE/Cyanine5.5 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812I]

Conjugation PE/Cyanine 5.5

Conjugation Information PE/Cyanine5.5 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 690 nm

(e.g., a 690/50 nm bandpass filter).

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

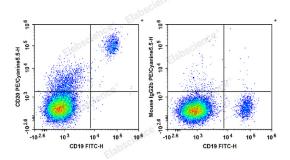
Applications Recommended usage

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 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ 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 CD19 Antibody and PE/Cyanine5.5 Anti-Human CD20 Antibody (Left). Lymphocytes are stained with FITC Anti-Human CD19 Antibody and PE/Cyanine5.5 Mouse IgG2b, κ Isotype Control (Right).

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

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

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Gene ID Background 931

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.