

A Reliable Research Partner in Life Science and Medicine

# Elab Fluor® 700 Anti-Human CD20 Antibody[2H7]

Catalog Number: E-AB-F1212M1

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

#### **Description**

Reactivity Human; Rhesus; Cynomolgus

Host Mouse

Isotype Mouse IgG2b, ĸ

Clone No. 2H7

Isotype Control Elab Fluor<sup>®</sup> 700 Mouse IgG2b, κ Isotype Control[MPC-11] [Product E-AB-F09812M1]

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).

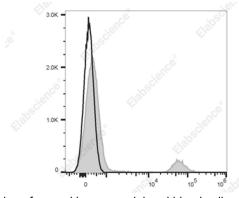
Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer. Storage Buffer

#### **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 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL 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 Elab

Fluor® 700 Anti-Human CD20 Antibody[2H7] (filled gray histogram) or Elab Fluor® 700 Mouse IgG2b, κ 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.