

A Reliable Research Partner in Life Science and Medicine

Elab Fluor® 488 Anti-Human/Mouse/Rat CD47 Antibody[MIAP410]

Catalog Number: E-AB-F1016L

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

Description

Reactivity Human; Mouse; Rat

Host Mouse

IsotypeMouse IgG1, κClone No.MIAP410

Isotype Control Elab Fluor® 488 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792L]

Conjugation Elab Fluor® 488

Conjugation Information Elab Fluor® 488 is designed to be excited by the Blue laser (488 nm) and detected using

an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).

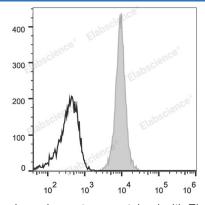
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

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 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



C57BL/6 murine splenocytes are stained with Elab Fluor[®] 488 Anti-Human/Mouse/Rat CD47 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

Rev. V1.8

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names Cd47;IAP;Integrin-associated protein;Leukocyte surface antigen CD47

Uniprot ID Q08722;Q61735;P97829

Gene ID 16423;29364;961

For Research Use Only

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Background

CD47, also known as Integrin-Associated Protein (IAP), is a membrane protein of about 50 kD with an IgV-like extracelluluar domain, a five membrane-spanning segment and a short terminal cytoplasmic region. It is widely expressed on many cell types and often associated with beta 3 integrins. It has been reported that CD47 functions as a self marker. Red cells lacking CD47 were rapidly cleared from the bloodstream by splenic macrophages. By binding to SIRPa, CD47 controls hemostatic innate immune functions, such as phagocytosis and cell trafficking.

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