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PerCP/Cyanine5.5 Anti-Human/Mouse/Rat CD47 Antibody[MIAP410]

Catalog Number: E-AB-F1016UJ

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

Description

Reactivity Human; Mouse; Rat

Host Mouse

Isotype Mouse IgG1, ĸ MIAP410 Clone No.

PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793J] Isotype Control

PerCP/Cyanine 5.5 Conjugation

Conjugation Information PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected

using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).

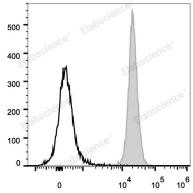
Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 μg/10⁶ cells in 100 µL volume].

Data



C57BL/6 murine splenocytes are stained with PerCP/Cyanine5.5 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

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 SIRPα, CD47 controls hemostatic innate immune functions, such as phagocytosis and cell trafficking.