

Elab Fluor® 700 Anti-Human/Mouse/Rat CD47 Antibody[MIAP410]

Catalog Number: E-AB-F1016M1

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

Description

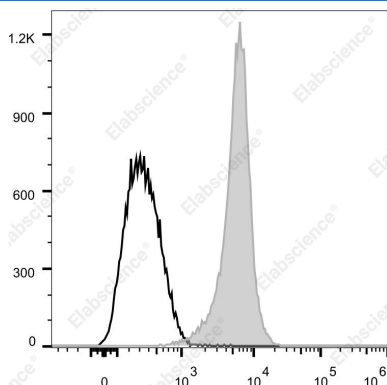
Reactivity	Human;Mouse;Rat
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	MIAP410
Isotype Control	Elab Fluor® 700 Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792M1]
Conjugation	Elab Fluor® 700
Conjugation Information	Elab Fluor® 700 is designed to be excited by the Red laser (627-640 nm) and detected using an optical filter centered near 719 nm (e.g., a 725/40 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

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.
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Data



Staining of C57BL/6 murine splenocytes with Elab Fluor® 700 Anti-Human/Mouse/Rat CD47 Antibody[MIAP410](filled gray

histogram) or Elab Fluor® 700 Mouse IgG1, κ Isotype Control(empty black histogram) . Total viable cells 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	Cd47;IAP;Integrin-associated protein;Leukocyte surface antigen CD47
Uniprot ID	Q08722;Q61735;P97829;
Gene ID	961;16423;29364

For Research Use Only

Background

CD47, also known as Integrin-Associated Protein (IAP), is a membrane protein of about 50 kD with an IgV-like extracellular 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 SIRP α , CD47 controls hemostatic innate immune functions, such as phagocytosis and cell trafficking.