

Biotin Anti-Human/Mouse/Rat CD47 Antibody[MIAP410]

Catalog Number: E-AB-F1016B

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	Biotin Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793B]
Conjugation	Biotin
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. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in 100 μL volume or 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
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Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. 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
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 SIRPα, CD47 controls hemostatic innate immune functions, such as phagocytosis and cell trafficking.

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