

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

Catalog No.	E-AB-F1016A	Reactivity	Human,Mouse,Rat
Storage	Store at 2~8°C, Avoid freeze / thaw cycles	Applications	FCM

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

Antigen Information

Alternate Names	Leukocyte surface antigen CD47,Cd47,Integrin-associated protein,IAP
Uniprot ID	Q08722,Q61735,P97829
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.

Product Details

Form	Liquid
Concentration	0.5 mg/mL
Size	25 μ g/100 μ g
Clone No.	MIAP410
Host	Mouse
Isotype	Mouse IgG1, κ
Reactivity	Human,Mouse,Rat
Application	FCM
Isotype Control	Purified Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09793A]
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.
Shipping	Biological ice pack at 4 °C
Stability & Storage	Keep as concentrated solution. Store at 2~8°C .Do not freeze. This product is guaranteed up to one year from purchase.

Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 2.0 \mu\text{g}$ 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.

Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>