

Manufacturer/Supplier:

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Product name: Anti-Human/Mouse/Rat CD47 Monoclonal
Antibody(AF488 Conjugated)

Catalog: DL20314F

Synonyms: Leukocyte surface antigen
CD47, Cd47, Integrin-associated protein, IAP

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.

Form: Liquid

Isotype: Mouse IgG1, κ

Size: 25 μ g/100 μ g

Host: Mouse

Reactivity: Human, Mouse, Rat

Application: FCM

Concentration: 0.5 mg/mL

Conjugation: AF488

SwissProt: Q08722,Q61735,P97829

Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

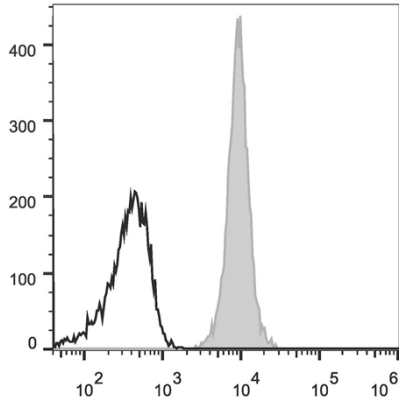
Recommended Use:

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 μ g/10⁶cells in 100 μ L volume].

Data:

C57BL/6 murine splenocytes are stained with

Anti-Human/Mouse/Rat CD47 Monoclonal Antibody(AF488 Conjugated)[Used at $0.2 \mu\text{g}/10^6$ cells dilution](filled gray histogram).
Unstained splenocytes (empty black histogram) are used as control.



Storage:

Keep as concentrated solution.

Store at $2\sim 8^{\circ}\text{C}$ and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.