

**Manufacturer/Supplier:**

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**Product name:** Anti-Human/Mouse/Rat CD47 Monoclonal  
Antibody(PE/Cyanine5.5 Conjugated)

**Catalog:** DL20302F

**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 $\alpha$ , CD47 controls hemostatic innate

immune functions, such as phagocytosis and cell trafficking.

**Form:** Liquid

**Isotype:** Mouse IgG1,  $\kappa$

**Size:**

**Host:** Mouse

20Tests/100Tests/100Tests $\times$ 2

**Reactivity:** Human, Mouse, Rat

**Application:** FCM

**Concentration:** 5  $\mu$ L

**Conjugation:** PE/Cyanine5.5

**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. The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

**Storage:**

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.