

**Manufacturer/Supplier:**

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**Product name:** Anti-Human CD47 Monoclonal Antibody(FITC  
Conjugated)

**Catalog:** DL20774F

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

**Background:** CD47 also known as Rh-associated protein, gp42, integrin-associated protein (IAP), and neurophilin, is a 42-52 kD member of the immunoglobulin superfamily containing a five-pass transmembrane attachment. Two splice variants have been described in the cytoplasmic tail, the shorter form is expressed in bone-marrow-derived cells, endothelial cells, and fibroblasts while the longer form is expressed by neural tissues. CD47 expression is widely distributed in hematopoietic cells including thymocytes, T cells,

B cells, monocytes, platelets, and erythrocytes as well as epithelial cells, endothelial cells, fibroblasts, and neural tissues. CD47 functions as an adhesion molecule and thrombospondin receptor and is non-covalently associated with  $\beta 3$  integrins CD51/CD61, CD41/CD61. Thrombospondin is a ligand for CD47; in the absence of CD47 mice show defects in host defense and  $\beta 3$  integrin-dependent ligand binding, migration, and cellular activation. CD47 is also part of the Rh complex on erythrocytes.

**Form:** Liquid

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

**Size:**

**Host:** Mouse

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

**Reactivity:** Human

**Application:** FCM

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

**Conjugation:** FITC

**SwissProt:** Q08722

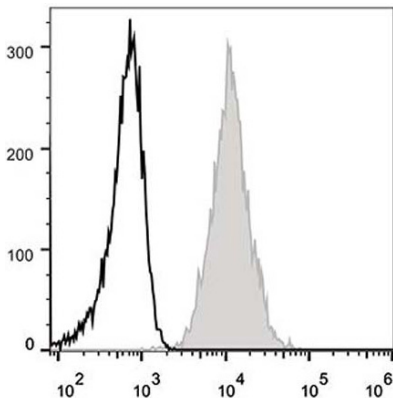
**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

**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  $\mu\text{L}$  of antibody per test (million cells in 100  $\mu\text{L}$  staining volume or per 100  $\mu\text{L}$  of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data:

Human peripheral blood lymphocytes are stained with Anti-Human CD47 Monoclonal Antibody(FITC Conjugated)(filled gray histogram). Unstained lymphocytes (empty black histogram) are used as control.



### 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.