

**APC Anti-Human/Mouse/Rat CD47  
Antibody [MIAP410]**

Catalogue Code: AGEL0681

**Antibody Data**

<b>Product SKU:</b>	<b>AGEL0681</b>	<b>Clone:</b>	<b>MIAP410</b>
<b>Applications:</b>	<b>FCM</b>		
<b>Reactivity:</b>	<b>Human;Mouse;Rat</b>		

**Important Note:**

Centrifuge before opening to ensure complete recovery of vial contents.

**Product 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 SIRPα, CD47 controls hemostatic innate immune functions, such as phagocytosis and cell trafficking.

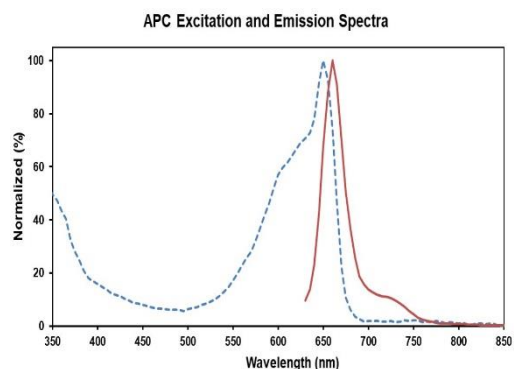
**Form:** Liquid

**Conjugation:** APC

**Size:** 25µg, 100µg

**Host Species:** Mouse

**Isotype:** Mouse IgG1, κ



Ex:650 nm; Em:660 nm

**Isotype Control:** APC Mouse IgG1, κ Isotype Control[MOPC-21] [Product AGEL0681]

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

**Shipping:** Biological ice pack at 4°C

**Stability & Storage:** Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. 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. 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 µg/10<sup>6</sup> cells in 100 µL volume].