

## CD47 Antibody, mAb, Mouse

Cat. No.	Name	Size
V04501	CD47 Antibody (M27A9), mAb, Mouse	*

Note: \* Available in multiple package sizes: 100 µg, 1 mg (or more). GenScript can customize each product per customer's request including product size, buffer components, etc. GenScript can also provide conjugated antibody per customer's request with Biotin, FITC, PE and APC.

<b>Specificity</b>	Human CD47
<b>Alternative Name</b>	Rh-associated protein, gp42, integrin-associated protein, IAP, and neurophilin
<b>Isotype</b>	IgG1
<b>Clone</b>	M27A9
<b>Application</b>	Flow cytometry
<b>Recommended Usage</b>	It is recommended that the reagent be titrated for optimal performance for each application. Each lot of the antibodies undergoes quality control test by flow cytometric analysis.
<b>Preparation</b>	Protein A/G affinity column
<b>Concentration</b>	Lot-specific. Please check your CoA to find the concentration.
<b>Formulation</b>	1) PBS, pH 7.4, containing 0.03% Proclin 300 2) 50 mM Na-citrate, 150 mM NaCl, pH7.0, containing 0.03% Proclin 300 * *: For new batch since 09/01/2018, please refer to COA.
<b>Storage</b>	The antibody should be stored for up to three months at 2-8°C or for up to three years at -20°C or below. Avoid repeated freezing and thawing cycles.
<b>Background</b>	CD47 is transmembrane glycoprotein. It is expressed on the surface of hematopoietic cells including thymocytes, T cells, B cells, monocytes, platelets, and erythrocytes. The CD47 molecule participates in lymphocyte

homeostasis, maturation and activation of dendritic cells.

Fluorescent Dyes	Excitation Source	Excitation Max	Emission Max
FITC	Blue 488 nm	494 nm	520 nm
PE	Blue 488 nm, Green 532 nm, Yellow/Green 561 nm	496 nm	578 nm
APC	Red 633 nm	650 nm	660 nm

**Data Demonstration**

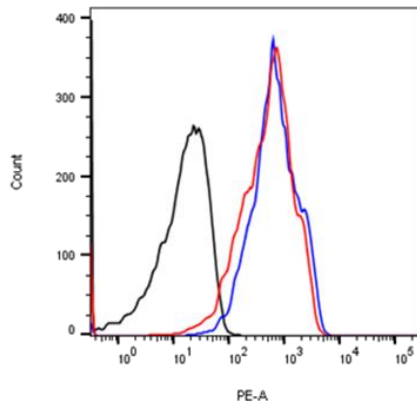


Figure 1. Human whole blood after red blood cell lysis were stained with CD47 Antibody (M27A9), mAb, Mouse (GenScript, V04501; red curve) or with a negative control (black curve), or with a positive antibody (blue curve) followed by R-PE conjugated anti-mouse IgG in flow cytometric analysis.

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