

**Manufacturer/Supplier:**

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**Product name:** Anti-Mouse CD119 Monoclonal Antibody(APC  
Conjugated)

**Catalog:** DL21417F

**Synonyms:** Interferon gamma receptor  
1, Ifngr1, IFN-gamma-R1, IFN-gamma-R-alpha, CD119

**Background:** CDw119 is a 90 kD immunoglobulin superfamily member, also known as IFN- $\gamma$ R $\alpha$  chain. It is a class II cytokine receptor family member that serves as a IFN- $\gamma$ -binding chain associated with the IFN- $\gamma$   $\beta$  chain also known as AF-1. In addition to ligand binding, CDw119 participates in ligand trafficking. CDw119 is expressed on T and B cells, NK cells, fibroblasts, endothelial, and epithelial cells. Binding of IFN- $\gamma$  induces receptor dimerization,

internalization, Jak1 and Jak2 protein kinase activation and, ultimately, STAT1 activation. IFN- $\gamma$  initiates and regulates a variety of immune responses.

**Form:** Liquid

**Isotype:** Rat IgG2a,  $\kappa$

**Size:** 25 $\mu$ g/100 $\mu$ g

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.2 mg/mL

**Conjugation:** APC

**SwissProt:** P15261

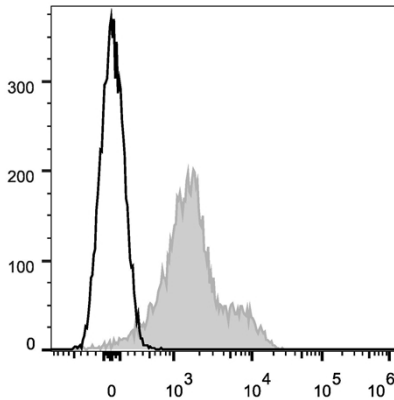
**Buffer:** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

### **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  $\mu$ g/10<sup>6</sup> cells in 100  $\mu$ L volume].

### **Data:**

C57BL/6 murine splenocytes are stained with Anti-Mouse CD119 Monoclonal Antibody(APC 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 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.