

## APC Anti-Mouse CD119 Antibody[GR-20]

Catalog Number: E-AB-F1115UE

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Mouse
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2a, κ
<b>Clone No.</b>	GR-20
<b>Isotype Control</b>	APC Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833E]
<b>Conjugation</b>	APC
<b>Conjugation Information</b>	APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).
<b>Storage Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.

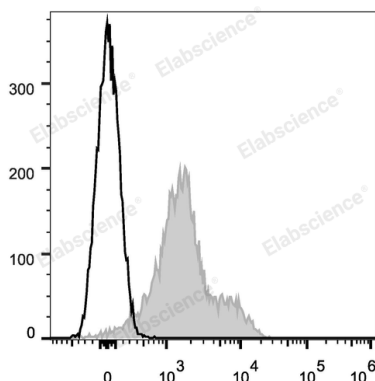
### Applications

### Recommended usage

#### FCM

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].

### Data



C57BL/6 murine splenocytes are stained with APC Anti-Mouse CD119 Antibody (filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.

### Preparation & Storage

<b>Storage</b>	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
<b>Shipping</b>	Ice bag

### Antigen Information

<b>Alternate Names</b>	CD119;IFN-gamma-R-alpha;IFN-gamma-R1;Ifngr1;Interferon gamma receptor 1
<b>Uniprot ID</b>	P15261
<b>Gene ID</b>	15979

### For Research Use Only

## 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.