

A Reliable Research Partner in Life Science and Medicine

PE Anti-Mouse CD119 Antibody[GR-20]

Catalog Number: E-AB-F1115UD

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

Description

Reactivity Mouse Rat Host

Isotype Rat IgG2a, ĸ Clone No. **GR-20**

PE Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09833D] Isotype Control

Conjugation

Conjugation Information PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green

(561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42

nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

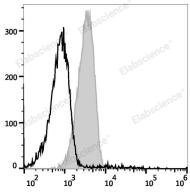
FCM Each lot of this antibody is quality control tested by flow cytometric analysis. Please

> 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/10⁶ cells

in 100 µL volume].

Data



Raw264.7 cells are stained with PE Anti-Mouse CD119 Antibody (filled gray histogram) or PE Rat IgG2a, κ Isotype Control (empty black histogram).

Preparation & Storage

Storage 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.

Shipping Ice bag

Antigen Information

Alternate Names CD119;IFN-gamma-R-alpha;IFN-gamma-R1;Ifngr1;Interferon gamma receptor 1

Uniprot ID P15261 Gene ID 15979

For Research Use Only

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Background

CDw119 is a 90 kD immunoglobulin superfamily member, also known as IFN- γ R α chain. It is a class II cytokine receptor family member that serves as a IFN- γ -binding chain associated with the IFN- γ β 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- γ induces receptor dimerization, internalization, Jak1 and Jak2 protein kinase activation and, ultimately, STAT1 activation. IFN- γ initiates and regulates a variety of immune responses.

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