

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

**Catalog Number:** GF1115A

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

### Description

<b>Reactivity</b>	Mouse
<b>Immunogen</b>	Recombinant Mouse CD119 protein
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2a, $\kappa$
<b>Clone</b>	GR-20
<b>Purification</b>	>98%, Protein A/G purified
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

### Applications

### Recommended Dilution

<b>FCM</b>	2 $\mu\text{g/mL}$ ( $0.5 \times 10^6$ - $1 \times 10^6$ cells)
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### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### 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.