

## AF/LE Purified Anti-Mouse CD119 Antibody[GR-20]

<b>Catalog No.</b>	E-AB-F11150	<b>Reactivity</b>	Mouse
<b>Storage</b>	Store at 2~8°C, Avoid freeze / thaw cycles	<b>Applications</b>	FCM

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

### Antigen Information

<b>Alternate Names</b>	Interferon gamma receptor 1,Ifngr1,IFN-gamma-R1,IFN-gamma-R-alpha,CD119
<b>Uniprot ID</b>	P15261
<b>Background</b>	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.

### Product Details

<b>Form</b>	Liquid
<b>Concentration</b>	0.5 mg/mL
<b>Size</b>	50 $\mu$ g/500 $\mu$ g/1mg
<b>Clone No.</b>	GR-20
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2a, $\kappa$
<b>Reactivity</b>	Mouse
<b>Application</b>	FCM
<b>Isotype Control</b>	<a href="#">AF/LE Purified Rat IgG2a, <math>\kappa</math> Isotype Control[2A3] [Product E-AB-F098330]</a>
<b>Storage Buffer</b>	0.2 $\mu$ m filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.
<b>Shipping</b>	Biological ice pack at 4 °C
<b>Stability &amp; Storage</b>	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.

#### For Research Use Only

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Applications: Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation

## Fluorophore

**Conjugation:** None (Purified antibody-Azide Free/Low endotoxin)

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is  $\leq 2.0 \mu\text{g}$  per  $10^6$  cells in  $100 \mu\text{L}$  volume or  $100 \mu\text{L}$  of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>

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