

**Manufacturer/Supplier:**

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**Product name:** AF/LE Purified Anti-Mouse CD119 Monoclonal  
Antibody

**Catalog:** DL21411F

**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:** 50 $\mu$ g/500 $\mu$ g/1mg

**Host:** Rat

**Reactivity:** Mouse

**Application:** FCM

**Concentration:** 0.5 mg/mL

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

**SwissProt:** P15261

**Buffer:** 0.2  $\mu$ m filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or

### Recommended Use:

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

**Storage:**

Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.