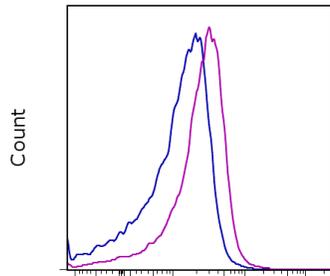


## Anti-Mouse CD119 (IFN gamma Receptor 1) PE

**Catalog Number:** 12-1191

**Also known as:** IFNgR1

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



CD119 (IFN gamma Receptor) PE

Staining of BALB/c splenocytes with 1  $\mu$ g of Armenian Hamster IgG Isotype Control PE (cat. 12-4888) (blue histogram) or 1  $\mu$ g of Anti-Mouse CD119 (IFN gamma Receptor 1) PE (purple histogram). Total viable cells were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD119 (IFN gamma Receptor 1) PE

**REF** **Catalog Number:** 12-1191

**Clone:** 2E2

**Concentration:** 0.2 mg/mL

**Host/Isotype:** Armenian Hamster IgG

**Formulation:** aqueous buffer, 0.09% sodium

azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.

**Batch Code:** Refer to vial

**Use By:** Refer to vial

**Caution, contains Azide**



**LOT**



### Description

The monoclonal antibody 2E2 recognizes mouse CD119 also known as IFN gamma receptor1. CD119 heterodimerizes with IFN gamma receptor 2 (AF-1) forming the Class II cytokine receptor. The ligand IFN gamma binds IFN gamma receptor 1 subunit but signal transduction transpires via the IFN gamma receptor 2 subunit. The receptor is involved in host defense and expression is broad including B cells, NK cells, macrophages and dendritic cells as well as other non-hematopoietic cell types.

### Applications Reported

This 2E2 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This 2E2 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 1  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest. In addition, longer incubations appear to help stain the population; therefore we recommend a 60 minute incubation at 4° C.

### References

Feng C, Keisler DH, Fritsche KL. Dietary omega-3 polyunsaturated fatty acids reduce IFN-gamma receptor expression in mice. *J Interferon Cytokine Res.* 1999 Jan;19(1):41-8.

Bach EA, Aguet M, Schreiber RD. The IFN gamma receptor: a paradigm for cytokine receptor signaling. *Annu Rev Immunol.* 1997;15:563-91. Review.

### Related Products

12-4888 Armenian Hamster IgG Isotype Control PE (eBio299Arm)

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