

Mouse IFNAR-1 Antibody

Purified

Monoclonal Antibody

Product Information

Product No.: I-400
Clone: MAR1-5A3
RRID: AB_2830666
Isotype: Mouse IgG1
Storage: Sterile 2-8°C

Product Description

Specificity:

Clone MAR1-5A3 recognizes an epitope on mouse IFNAR1.

Antigen Distribution:

IFNAR1 and IFNAR2 are coexpressed on nearly all cells.

Background:

IFNAR1 is a type I membrane protein, that in conjunction with IFNAR2, makes up the heterodimeric receptor that binds all type I IFNs, which includes IFN α and β . Binding and activation of the receptor stimulates Janus protein kinases, which leads to the phosphorylation of several other proteins, namely STAT1 and STAT2. IFNAR1 has also been shown to interact with PRMT1 and Tyrosine kinase 2. Type I IFNs are a family of cytokines that have been shown to promote anti-viral, anti-microbial, anti-tumor and autoimmune responses *In vivo*.

Known Reactivity Species:

Mouse

Format:

Purified

Immunogen:

This antibody was produced by *In vivo* genetic immunization of IFNAR1 knockout mice with a plasmid encoding the extracellular domain of murine IFNAR1.

Formulation

This purified antibody is formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.4, 1% BSA and 0.09% sodium azide as a preservative.

Storage and Stability

This purified antibody is stable when stored at 2-8°C. Do not freeze.

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

FC The suggested concentration for clone MAR1-5A3 antibody for staining cells in flow cytometry is $\leq 2.0 \mu\text{g}$ per 10^6 cells in a volume of 100 μl or 100 μl of whole blood. Titration of the reagent is recommended for optimal performance for each application.

Other Applications Reported in Literature:

WB, IP, B, ELISA

Country of Origin

USA

References

1. Sheehan, K. C. F. *et al.* (2006) *JICR* 26(11):804
2. Dunn, G. P. *et al.* (2005) *Nat. Immunol.* 6(7):722
3. Fenner, J. E. *et al.* (2006) *Nat. Immunol.* 7(1):33

