InVivoMAb anti-mouse IFNAR-1

Lot Specific Information

Lot Number: Lot Specific*
Volume: Lot Specific*
Concentration: Lot Specific* (generally 4 to 11 mg/ml) *
Total Protein: Lot Specific*

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number: BE0241
Clone: MAR1-5A3
Isotype: Mouse IgG1, κ
Recommended Isotype Control(s): InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Extracellular domain of mouse IFNAR-1

Reported Applications:
in vivo IFNAR-1 blockade
in vitro IFNAR-1 blockade
Western blot

Formulation:
PBS, pH 7.0
Contains no stabilizers or preservatives

Endotoxin:
<2EU/mg (<0.002EU/μg)
Determined by LAL gel clotting assay

Purity:
>95%
Determined by SDS-PAGE

Sterility:
0.2 μM filtered

Production:
Purified from tissue culture supernatant in an animal free facility

Purification:
Protein G

RRID: AB_2687723

Molecular Weight:
150 kDa

Description
The MAR1-5A3 monoclonal antibody reacts with mouse IFNAR-1 (IFN alpha/beta receptor subunit 1). IFNAR-1 is coexpressed with IFNAR-2 on nearly all cell types and together these two subunits make up the heterodimeric Type I IFN Receptor complex. Type I IFNs (IFN-α/β) bind to the Type I IFN Receptor complex to induce cellular responses including induction of anti-viral, anti-microbial, anti-tumor, and autoimmune responses as well as to regulate the activation, proliferation, and differentiation of many cell types. The MAR1-5A3 antibody has been shown to inhibit Type I IFN receptor signaling in vitro and in vivo.

Shelf-life and Storage
Store at the stock concentration at 4°C. Do not freeze.
All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ’s at bxcell.com/faqs.

Protocol Information
Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References
For a complete list of references, visit https://bxcell.com/product/anti-m-ifnar-1/#references or scan the QR code below.

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Binding Validation

Western blot data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, email technicalservice@bxcell.com.

Lane 1: 0.5 μg reduced purified mouse IFNAR-1 with histidine tag at C-terminus
Lane 2: 0.25 μg reduced purified mouse IFNAR-1 with histidine tag at C-terminus
Lane 3: 0.125 μg reduced purified mouse IFNAR-1 with histidine tag at C-terminus

Primary: anti-mouse IFNAR-1 antibody (MAR1-5A3) at 8 μg/ml
Secondary: HRP labeled goat anti-mouse at 1:1000 dilution

Predicted band size: 55-60 kDa