

Technical Data Sheet

InVivoMAb anti-mouse MHC Class II (I-AI-E)



Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at <https://bioxcell.com/terms-and-conditions>.

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: BE0108
Clone: M5/114
Isotype: Rat IgG2b
Recommended Isotype Control(s): InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Activated C57BL/6 mouse spleen cells
Reported Applications: *in vivo* MHC II blockade
Functional assays
Immunofluorescence
Western blot
Immunoprecipitation
Flow cytometry
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 cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_10949298](https://abnova.com/AB_10949298)
Molecular Weight: 150 kDa

Description

The M5/114 monoclonal antibody reacts with mouse MHC Class II haplotypes I-Ab, I-Ad, I-Aq, I-Ed, and I-Ek. The antibody does not react with I-Af, I-Ak, or I-As haplotypes. The M5/114 antibody is reported to inhibit I-A-restricted T cell responses.

Storage

Store at the stock concentration at 4°C. **Do not freeze.**

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 <https://bioxcell.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://bioxcell.com/catalogsearch/result/?q=BE0108#tab_references or scan the QR code below.



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