

Technical Data Sheet

InVivoMAb anti-mouse/rat MHC Class II (I-Ek/RT1-D)



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: BE0167
Clone: 14-4-4S (HB-32)
Isotype: Mouse IgG2a, κ
Recommended Isotype Control(s): InVivoMAb mouse IgG2a isotype control, unknown specificity
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: C3H mouse skin graft and spleen cells
Reported Applications: *in vivo* blocking of antigen presentation
Flow cytometry
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: <2EU/mg (<0.002EU/ μ g)
Determined by LAL gel clotting assay
Purity: >95%
Determined by SDS-PAGE
Sterility: 0.2 μ m filtered
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_10950190](https://identifiers.org/AB_10950190)
Molecular Weight: 150 kDa

Description

The 14-4-4S monoclonal antibody reacts with mouse MHC Class II alloantigen I-Ek and the rat MHC class II alloantigen RT1D. These MHC class II molecules are expressed primarily on the surface of B lymphocytes, macrophages, dendritic cells and other antigen presenting cells as well as a subset of T cells from H-2k bearing mice. These MHC molecules play a role in antigen presentation to T cells. The 14-4-4S antibody has been reported to block antigen presentation and induce differentiation of mouse cells expressing I-Ek.

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=BE0167#tab_references or scan the QR code below.



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