

Technical Data Sheet



InVivoMAb anti-mouse MHC Class I (H-2Kd, H-2Dd)

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: **BE0180**
Clone: **34-1-2S**
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: BDF mouse spleen cells
Reported Applications: *in vivo* activation of APCs
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_10950841](https://eutils.ncbi.nlm.nih.gov/entrez/eutils/rrid.cgi?db=AB_10950841)
Molecular Weight: 150 kDa

Description

The 34-1-2S monoclonal antibody is reported to react with the mouse H-2Kd and H-2Dd MHC class I alloantigens. MHC class I antigens are heterodimers consisting of one alpha chain (44 kDa) associated with β 2 microglobulin (11.5 kDa). The antigen is expressed by all nucleated cells at varying levels. MHC Class I molecules present endogenously synthesized antigenic peptides to CD8 T cells. The 34-1-2S antibody shows cross-reactivity with H-2K MHC class I alloantigens of the b, s, r, q, or p haplotypes.

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/be0180?bxcs=9k1b3a#tab_references or scan the QR code below.



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