

# Technical Data Sheet

## InVivoMAb anti-mouse NKG2D



**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: BE0111  
Clone: HMG2D  
Isotype: Armenian hamster IgG  
Recommended Isotype Control(s): InVivoMAb polyclonal Armenian hamster IgG  
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer  
Immunogen: Mouse NKG2D-Fc fusion protein  
Reported Applications: *in vivo* NKG2D blockade  
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\\_10950118](https://eutils.ncbi.nlm.nih.gov/entrez/eutils/rrid.cgi?db=AB_10950118)  
Molecular Weight: 150 kDa

### Description

The HMG2D monoclonal antibody reacts with mouse NKG2D, a type II transmembrane lectin-like glycoprotein also known as CD314. NKG2D is expressed on NK cells, NKT cells, CD8 T cells, γδ T cells, and macrophages. NKG2D has been implicated in anti-tumor surveillance and the immune response against viral infection. The HMG2D antibody has been shown to block NKG2D *in vivo*.

### 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/be0111?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/be0111?bxcs=9k1b3a#tab_references) or scan the QR code

below.



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*Not for resale.*

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