

Technical Data Sheet

InVivoMAb anti-mouse NKG2D (CD314)



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: BE0334
Clone: CX5
Isotype: Rat IgG1, κ
Recommended Isotype Control(s): InVivoMAb rat IgG1 isotype control, anti-horseradish peroxidase
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Purified mouse NKG2D
Reported Applications: *in vivo* NKG2D blockade
in vitro NKG2D blockade
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 filtration
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_2894754](https://europepmc.org/abstract/PP/AB_2894754)
Molecular Weight: 150 kDa

Description

The CX5 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, γ/δ T cells, and macrophages. NKG2D has been implicated in anti-tumor surveillance, the immune response against viral infection, and in diabetes progression in NOD mice. Previous studies have shown that CX5 is a non-depleting antibody, which blocks binding of NKG2D to its ligands and mediates internalization of the receptor.

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/be0334?bxcs=9k1b3a#tab_references or scan the QR code below.



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