

Technical Data Sheet

InVivoMAb anti-mouse TIGIT



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: BE0274
Clone: 1G9
Isotype: Mouse IgG1, κ
Recommended Isotype Control(s): InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Mouse TIGIT
Reported Applications: *in vivo* TIGIT stimulation
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_2687797](https://ab2687797)
Molecular Weight: 150 kDa

Description

The 1G9 monoclonal antibody reacts with mouse TIGIT (T cell immunoreceptor with Ig and ITIM domains). TIGIT is a 26 kDa, type I transmembrane protein and a member of the poliovirus receptor (PVR) family. TIGIT has been found to be expressed on follicular T helper cells in mice while in humans it's expressed by many T cell subsets including activated T cells, follicular T helper cells, memory T cells, and regulatory T cells as well as on NK cells. TIGIT can interact with certain members of the PVR and PVR-like families, including PVR, PVRL2, PVRL3, CD155, and CD112. TIGIT is thought to negatively regulate NK and T cell activation. Binding of TIGIT on T cells by dendritic cells results in their differentiation into a tolerogenic phenotype, with increased secretion of IL-10 and diminished production of IL-12. TIGIT knock-out mice are more susceptible to autoimmune disease.

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=BE0274#tab_references or scan the QR code below.



Bio X Cell, LLC
<https://bioxcell.com>
+1-866-787-3444
customerservice@bioxcell.com

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