

Technical Data Sheet

InVivoMAb anti-mouse CD73



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: BE0209
Clone: TY/23
Isotype: Rat IgG2a, κ
Recommended Isotype Control(s): InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: BALB/c mouse spleen cells and CHO cells transfected with the mouse CD73 gene
Reported Applications: *in vivo* CD73 blockade
in vitro CD73 blockade
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_10950310](https://abnova.com/AB_10950310)
Molecular Weight: 150 kDa

Description

The TY/23 monoclonal antibody reacts with mouse CD73 also known as ecto-5'-nucleotidase (5'-NT), a 69 kDa GPI-anchored cell-surface protein. In mice, expression of CD73 is restricted to CD11b+ myeloid cells in the bone marrow and T cells in the spleen. CD73 plays a strategic role in calibrating the duration, magnitude, and chemical nature of purinergic signals delivered to immune cells through the conversion of AMP to adenosine. This drives a shift from an ATP-driven proinflammatory environment to an anti-inflammatory milieu induced by adenosine. CD73 has been shown to be important for the immunosuppressive activity of regulatory T cells. The TY/23 antibody has been reported to inhibit the enzymatic activity of CD73.

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=BE0209#tab_references or scan the QR code below.



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