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:	≤1EU/mg (≤0.001EU/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_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/be0209?bxcs=9k1b3a#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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