

Technical Data Sheet

InVivoMAb anti-mouse CD16/CD32



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:	BE0307
Clone:	2.4G2
Isotype:	rat igg2b, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer:	InVivoPure pH 8.0 Dilution Buffer
Immunogen:	BALB/c mouse macrophage cell line J774
Reported Applications:	<i>in vitro</i> Fc receptor blocking <i>in vivo</i> Fc receptor blocking
Formulation:	PBS, pH 8.0 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 tissue culture supernatant in an animal free facility
Purification:	Protein G
RRID:	AB_2736987
Molecular Weight:	150 kDa

Description

The 2.4G2 monoclonal antibody reacts specifically with mouse CD16 (Fc γ RIII) and CD32 (Fc γ RII). It has also been reported to react non-specifically via its Fc domain to Fc γ RI. CD16 and CD32 are expressed on B cells, monocytes/macrophages, NK cells, granulocytes, mast cells, and dendritic cells. These receptors bind to the Fc portion of antibody-antigen complexes and play a role in adaptive immune responses. The 2.4G2 antibody is commonly used in flow cytometry staining experiments to prevent non-specific binding of IgG to the Fc γ III and Fc γ II, and possibly Fc γ I, receptors prior to staining with antigen specific primary antibodies. The Fab fragments of the 2.4G2 antibody have also been used to block Fc receptors *in vivo*.

Shelf-Life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. 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 FAQs 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=BE0307#tab_references or scan the QR code below.



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