

Technical Data Sheet

InVivoMAb anti-human CD32 (FcγRIIA)



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: BE0224
Clone: IV.3
Isotype: Mouse IgG2b
Recommended Isotype Control(s): InVivoMAb mouse IgG2b isotype control, unknown specificity
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Human K562 leukemia cell line
Reported Applications: *in vivo* FcγRIIA blockade in humanized mice
in vitro FcγRIIA blockade
ELISA
Flow cytometry
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: <2EU/mg (<0.002EU/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_2687707](https://ab2687707)
Molecular Weight: 150 kDa

Description

The IV.3 monoclonal antibody reacts with human CD32 also known as FcγRII and FCRII, a 40 kDa polymorphic transmembrane glycoprotein and an Ig superfamily member. CD32 is expressed on monocytes/macrophages, granulocytes, platelets and B cells. CD32 enables interaction between Fc γ RI-expressing cells and opsonized antigen or IgG-containing immune complexes. This allows CD32 to function in the activation or inhibition of immune responses including degranulation, phagocytosis, ADCC, cytokine release, and B cell proliferation. The IV.3 antibody has been shown to block the biological effects of CD32 *in vitro*. Additionally, IV.3 f(ab')₂ fragments have been used to block CD32 *in vivo* in transgenic mice expressing human CD32.

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=BE0224#tab_references or scan the QR code below.



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