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:	≤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_2687707
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 RII-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/be0224?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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