Technical Data Sheet

*InVivo*MAb anti-human CD32 (FcγRIIA)

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 tissue 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.

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 FAQ's at bxcell.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://bxcell.com/product/anti-h-cd325-hcd325/#references or scan the QR code below.

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