

# Technical Data Sheet

## InVivoMAb anti-mouse IL-15



**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:	BE0315
Clone:	AIO.3
Isotype:	Rat IgG2a, $\lambda$
Recommended Isotype Control(s):	InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Recombinant mouse IL-15
Reported Applications:	<i>in vivo</i> IL-15 neutralization <i>in vitro</i> IL-15 neutralization
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/ $\mu$ g) Determined by LAL gel clotting assay
Purity:	>95% Determined by SDS-PAGE
Sterility:	0.2 $\mu$ m filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	<a href="https://ab2754553">AB_2754553</a>
Molecular Weight:	150 kDa

### Description

The AIO.3 monoclonal antibody reacts with mouse IL-15. IL-15 is a pro-inflammatory cytokine that is produced mainly by dendritic cells, epithelial cells, fibroblasts, and monocytes. IL-15 plays important roles in the immune response and shares many functions with IL-2. IL-15 has been shown to stimulate the proliferation of activated T cells, NK cells, and B cells, and induce antibody production by B cells stimulated with anti-IgM or CD40L. In addition, IL-15 promotes the development of dendritic cells and induces the production of proinflammatory cytokines from macrophages. IL-15 has also been shown to play a role in several inflammatory disorders, including rheumatoid arthritis, psoriasis and pulmonary inflammatory diseases. Emerging data suggest that there is a beneficial effect of IL-15 neutralization in models of psoriasis and diabetes. The AIO.3 antibody has been shown to neutralize the bioactivity of IL-15 *in vitro* and *in vivo*.

### 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=BE0315#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0315#tab_references) or scan the QR code below.



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*Not for resale.*

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