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, λ
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:	*in vivo* IL-15 neutralization *in vitro* IL-15 neutralization
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 filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_2754553
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/be0315?bxcs=9k1b3a#tab_references or scan the QR code below.

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