

# Technical Data Sheet

## InVivoMab anti-mouse IL-3



[bioxcell.com](http://bioxcell.com)

**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 Website Link: <https://bioxcell.com/invivomab-anti-mouse-il-3-be0282>

### Product Information

Catalog Number: **BE0282**  
Clone: **MP2-8F8**  
Isotype: Rat IgG1  
Recommended Isotype Control(s): InVivoMab rat IgG1 isotype control, anti-horseradish peroxidase  
Recommended Dilution Buffer: InVivoPure pH 6.5 Dilution Buffer  
Immunogen: COS-expressed, recombinant mouse IL-3  
Reported Applications: *in vivo* IL-3 neutralization  
*in vitro* IL-3 neutralization  
*in vivo* IL-3 receptor stimulation (as a complex with IL-3)  
ELISA  
Flow cytometry  
Formulation: PBS, pH 6.5  
Contains no stabilizers or preservatives  
Endotoxin: ≤1EU/mg (≤0.001EU/μg)  
Determined by LAL 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\\_2687805](https://abnova.com/AB_2687805)  
Molecular Weight: 150 kDa

### Description

The MP2-8F8 monoclonal antibody reacts with mouse IL-3, a pleiotropic cytokine produced primarily by activated T cells but also by activated mast cells, keratinocytes and neurons/astrocytes. IL-3 is highly species-specific, mature human and mouse IL-3 share only 29% sequence identity and human IL-3 does not show activity on mouse cells. IL-3 can stimulate the proliferation and differentiation of megakaryocytes, neutrophils, and macrophages from bone marrow cultures. Additionally, IL-3 also affects the functional activity of mature mast cells, basophils, eosinophils and macrophages. The MP2-8F8 antibody has been reported to neutralize the bioactivity of natural or recombinant IL-3 as well as stimulate basophil proliferation when administered as a complex with IL-3.

### 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/invivomab-anti-mouse-il-3-be0282?utm\\_source=cr9k1b#tab\\_references](https://bioxcell.com/invivomab-anti-mouse-il-3-be0282?utm_source=cr9k1b#tab_references) or scan the QR code below.



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**Bio X Cell, LLC**

<https://bioxcell.com>

+1-866-787-3444

[customerservice@bioxcell.com](mailto:customerservice@bioxcell.com)

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