

Technical Data Sheet

InVivoMab anti-mouse IL-3



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: 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: <2EU/mg (<0.002EU/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_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/catalogsearch/result/?q=BE0282#tab_references or scan the QR code below.



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