



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 7.0 Dilution Buffer
Immunogen:	COS-expressed, recombinant mouse IL-3 <i>in vivo</i> IL-3 neutralization <i>in vitro</i> IL-3 neutralization <i>in vivo</i> IL-3 receptor stimulation (as a complex with IL-3)
Reported Applications:	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_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.

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/invivomab-anti-mouse-il-3/#references> or scan the QR code below.

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