Technical Data Sheet

*InVivo*MAb anti-mouse IL-9

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:	**BE0181**
Clone:	**9C1**
Isotype:	Mouse IgG2a
Recommended Isotype Control(s):	InVivoMAb mouse IgG2a isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Mouse IL-9-OVA complex
Reported Applications:	*in vivo* IL-9 neutralization
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_10950648
Molecular Weight:	150 kDa

Description

The 9C1 monoclonal antibody reacts with mouse IL-9, a pleiotropic cytokine expressed by Th9 cells, Th2 cells, Th17 cells, regulatory T cells, NKT cells, ILC2s, and mast cells. IL-9 promotes mast cell and T cell proliferation, stimulates mast cell accumulation in tissues, promotes ILC survival, enhances class-switching to IgE in B cells and alters haematopoietic progenitor cell activity. Additionally, IL-9 enhances mucus production from airway epithelial cells and alters barrier function in the intestines. IL-9 is thought to contribute to asthma. The 9C1 antibody has been reported to block the bioactivity of IL-9.

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/m-il-9/#references or scan the QR code below.

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