Technical Data Sheet

InVivoMAb anti-mouse IL-9

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:	**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:	≤1EU/mg (≤0.001EU/µg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 µm filtered
Production:	Purified from cell 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.

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

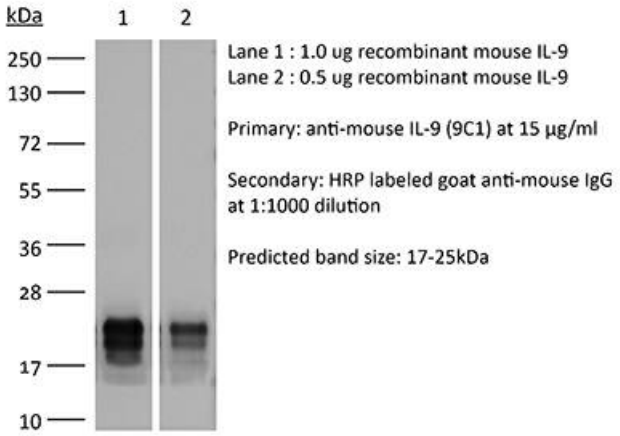
Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

Binding Validation

For a complete list of references, visit https://bioxcell.com/be0181?bxcs=9k1b3a#tab_references or scan the QR code below.

Validation data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, e-mail technicalservice@bioxcell.com.



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