

# Technical Data Sheet

## InVivoMAb anti-mouse IL-12 p75



**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:** BE0233  
**Clone:** R2-9A5  
**Isotype:** Rat IgG2b,  $\kappa$   
**Recommended Isotype Control(s):** InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin  
**Recommended Dilution Buffer:** InVivoPure pH 8.0 Dilution Buffer  
**Immunogen:** Recombinant mouse IL-12 p75  
**Reported Applications:** *in vivo* IL-12p75 neutralization  
ELISA  
**Formulation:** PBS, pH 8.0  
Contains no stabilizers or preservatives  
**Endotoxin:** <2EU/mg (<0.002EU/ $\mu$ g)  
Determined by LAL gel clotting assay  
**Purity:** >95%  
Determined by SDS-PAGE  
**Sterility:** 0.2  $\mu$ m filtered  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:** [AB\\_2687715](https://abnova.com/AB_2687715)  
**Molecular Weight:** 150 kDa

### Description

The R2-9A5 monoclonal antibody reacts with mouse interleukin-12 (IL-12), a heterodimeric 75 kDa (p75) cytokine consisting of two covalently linked subunits, 40 kDa (p40) and 35 kDa (p35). IL-12 is secreted by activated monocytes, macrophages, dendritic cells and T cells in response to bacterial pathogens or products such as lipopolysaccharides (LPS). IL-12 is a potent regulator of cell-mediated immune responses and plays a key role in the development of Th1 responses, leading to IFN $\gamma$  and IL-2 production. The R2-9A5 antibody has been shown to neutralize the biological effects of IL-12 when administered *in vivo*.

### 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=BE0233#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0233#tab_references) or scan the QR code below.



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*Not for resale.*

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