

# Technical Data Sheet

## InVivoMAb anti-mouse CXCR3 (CD183)



**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:** BE0249  
**Clone:** CXCR3-173  
**Isotype:** Armenian hamster IgG  
**Recommended Isotype Control(s):** InVivoMAb polyclonal Armenian hamster IgG  
**Recommended Dilution Buffer:** InVivoPure pH 7.0 Dilution Buffer  
**Immunogen:** Peptide consisting of amino acids 1-37 of mouse CXCR3  
**Reported Applications:** *in vivo* CXCR3 neutralization  
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 cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:** [AB\\_2687730](https://abnova.com/AB_2687730)  
**Molecular Weight:** 150 kDa

### Description

The CXCR3-173 monoclonal antibody reacts with mouse CXCR3 also known as CD183, a 38 kDa chemokine receptor for CXCL9 (MIG), CXCL10 (IP-10), and CXCL11 (ITAC). CXCR3 is expressed primarily on activated T cells, NK cells, as well as some epithelial cells and endothelial cells. CXCR3 mediates leukocyte trafficking. Binding of chemokine ligands to CXCR3 induces various cellular responses, including integrin activation, cytoskeletal changes and chemotactic migration. The binding of CXCR3-173 to CXCR3 is reported to inhibit receptor binding of CXCL10 and CXCL11 but not CXCL9.

### 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/be0249?bxcs=9k1b3a#tab\\_references](https://bioxcell.com/be0249?bxcs=9k1b3a#tab_references) or scan the QR code below.



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*Not for resale.*

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