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:	≤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_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 or scan the QR code below.

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