Technical Data Sheet

InVivoMAb anti-mouse CCR3 (CD193)

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:	**BE0316**
Clone:	**6S2-19-4**
Isotype:	Rat IgG2b, λ
Recommended Isotype Control(s):	InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Y3 cells expressing full length mouse CCR3
Reported Applications:	*in vivo* eosinophil depletion
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 filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_2754554
Molecular Weight:	150 kDa

Description

The 6S2-19-4 monoclonal antibody reacts with mouse CCR3 also known as CD193. CCR3 is a G protein-coupled, seven transmembrane, chemokine receptor expressed on a variety of hematopoietic cells including eosinophils, basophils, mast cells, mononuclear phagocytes, platelets, hematopoietic progenitor cells, and keratinocytes. CCR3 is most highly expressed on eosinophils. Chemokines including RANTES, eotaxin, eotaxin-3, MCP-3, and MIP1α have been reported to act as ligands for CCR3 and stimulate CCR3+ cells. CCR3 plays a role in atopic diseases such as dermatitis, allergic rhinitis, conjunctivitis and bronchial asthma. This receptor is thought to contribute to the accumulation and activation of eosinophils in the allergic airway and at sites of parasitic infection. It is also known to be an entry co-receptor for HIV-1. The 6S2-19-4 antibody has been shown to selectively deplete eosinophils 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=BE0316#tab_references or scan the QR code below.

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