Technical Data Sheet

InVivoMAb anti-mouse CSF1

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:	**BE0204**
Clone:	**5A1**
Isotype:	Rat IgG1, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG1 isotype control, anti-horseradish peroxidase
Recommended Dilution Buffer:	InVivoPure pH 8.0 Dilution Buffer
Immunogen:	Purified mouse CSF-1
Reported Applications:	*in vivo* CSF1 neutralization
Formulation:	PBS, pH 8.0 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_10950309
Molecular Weight:	150 kDa

Description

The 5A1 monoclonal antibody reacts with mouse colony stimulating factor 1 (CSF1) also known as macrophage colony-stimulating factor (M-CSF). CSF1 is a hematopoietic growth factor that is expressed by many different cell types including fibroblasts, stromal cells, osteoblasts, activated T cells, macrophages, and B cells. CSF1 plays a role in regulating the proliferation, differentiation and survival of monocytes, macrophages, and bone marrow progenitor cells. CSF1 produced in vessel walls is thought to contribute to the development and progression of atherosclerosis. The 5A1 antibody has been shown to neutralize CSF1 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/be0204?bxcs=9k1b3a#tab_references or scan the QR code below.

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