



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:	<i>in vivo</i> CSF1 neutralization
Formulation:	PBS, pH 8.0 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 tissue 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*.

Shelf-life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**
All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. 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 bxcell.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://bxcell.com/product/csf-1/#references> or scan the QR code below.

Bio X Cell, Inc.

bxcell.com
1.866.787.3444
customerservice@bxcell.com

Conditions: For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.
Bio X Cell, Bio X Cell Logo and all other trademarks are the property of Bio X Cell, Inc. © 2020 Bio X Cell



Bio X Cell, Inc.

bxcell.com
1.866.787.3444

customerservice@bxcell.com

Conditions: For Research Use Only. Not for use in diagnostic or therapeutic procedures. Not for resale.

Bio X Cell, Bio X Cell Logo and all other trademarks are the property of Bio X Cell, Inc. © 2020 Bio X Cell