

Technical Data Sheet

InVivoMAb anti-mouse CSF1R (CD115)



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: BE0213
Clone: AFS98
Isotype: Rat IgG2a, κ
Recommended Isotype Control(s): InVivoMAb rat IgG2a isotype control, anti-trinitrophenol
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: Not available or unknown
Reported Applications: *in vivo* macrophage depletion
in vitro CSF1R neutralization
in vivo monocyte depletion
Flow cytometry
Western blot

Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives

Endotoxin: $\leq 1\text{EU/mg}$ ($\leq 0.001\text{EU}/\mu\text{g}$)
Determined by LAL gel clotting assay

Purity: $\geq 95\%$
Determined by SDS-PAGE

Sterility: $0.2\ \mu\text{m}$ filtration

Production: Purified from cell culture supernatant in an animal-free facility

Purification: Protein G

RRID: [AB_2687699](https://rrid.info/AB_2687699)

Molecular Weight: 150 kDa

Description

The AFS98 monoclonal antibody reacts with mouse colony stimulating factor 1 receptor (CSF1R), also known as macrophage colony-stimulating factor receptor (M-CSFR), and CD115. CSF1R is a single-pass type I membrane protein and member of the platelet-derived growth factor receptor family. In mice CSF1R is expressed by monocytes/macrophages, peritoneal exudate cells, plasmacytoid and conventional dendritic cells, and osteoclasts. CSF1R is a receptor for CSF1 and CSF1 signaling through CSF1R regulates the proliferation and differentiation of cells in the monocytic lineage. The AFS98 antibody has been reported to deplete macrophages and block CSFR1 *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.

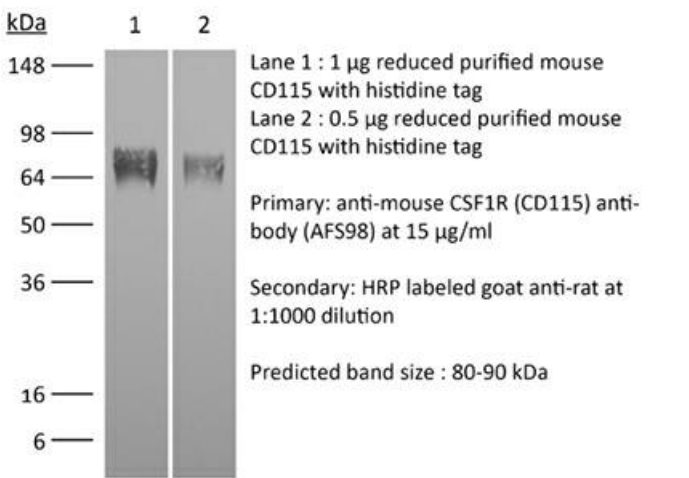
Application References

For a complete list of references, visit https://bioxcell.com/be0213?bxcs=9k1b3a#tab_references or scan the QR code below.



Binding Validation

Validation data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, e-mail technicalservice@bioxcell.com.



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