

Technical Data Sheet

InVivoMAb anti-mouse F4/80



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: BE0206
Clone: Cl:A3-1
Isotype: Rat IgG2b, κ
Recommended Isotype Control(s): InVivoMAb rat IgG2b isotype control, anti-keyhole limpet hemocyanin
Recommended Dilution Buffer: InVivoPure pH 7.0 Dilution Buffer
Immunogen: C57BL/6 mouse thioglycollate stimulated peritoneal macrophages
Reported Applications: *in vivo* Monocyte/Macrophage depletion
Functional assays
Immunohistochemistry (paraffin)
Immunohistochemistry (frozen)
Flow cytometry
Formulation: PBS, pH 7.0
Contains no stabilizers or preservatives
Endotoxin: ≤ 1 EU/mg (≤ 0.001 EU/ μ g)
Determined by LAL gel clotting assay
Purity: $\geq 95\%$
Determined by SDS-PAGE
Sterility: 0.2 μ m filtered
Production: Purified from cell culture supernatant in an animal-free facility
Purification: Protein G
RRID: [AB_10949019](https://eutils.ncbi.nlm.nih.gov/entrez/eutils/rrid.cgi?db=AB)
Molecular Weight: 150 kDa

Description

The Cl:A3-1 monoclonal antibody reacts with mouse F4/80 also known as EMR1. F4/80 is a 160 kDa membrane glycoprotein belonging to the EGF-TM7 family. F4/80 is expressed on most tissue macrophages including peritoneal, lung, gut, thymus and splenic red pulp macrophages, as well as Kuffer cells, Langerhans cells, bone marrow stromal cells, and a subset of dendritic cells. F4/80's cognate ligand has not been identified however studies in mice have shown that F4/80 is important for cytokine production and induction regulatory T cells.

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/be0206?bxcs=9k1b3a#tab_references or scan the QR code below.



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