

# Technical Data Sheet

InVivoMAb anti-mouse/human Mac-2 (Galectin-3)



**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:** BE0395  
**Clone:** M3/38 (TIB-166)  
**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:** C57BL/6 mouse macrophage glycoproteins  
**Reported Applications:** Western blot  
Immunofluorescence  
Immunohistochemistry (paraffin)  
Immunoprecipitation  
**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 filtered  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:**  
**Molecular Weight:** 150 kDa

## Description

The M3/38 monoclonal antibody reacts with human and mouse Mac-2. Mac-2, also known as galectin-3 is a β-galactoside-binding lectin that is expressed in several tissues including the digestive and urogenital tracts, lungs, blood, kidneys, and heart. Mac-2 is highly expressed in myeloid cells and fibroblasts, as well as in epithelial and endothelial cells. Several different regulatory functions have been attributed to Mac-2 including cellular growth, proliferation, apoptosis, differentiation, cellular adhesion, tissue repair, inflammation, tissue fibrosis and angiogenesis. Mac-2 is implicated in the pathogenesis of several diseases, including organ fibrosis, chronic inflammation, cancer, atherosclerosis, and other cardiovascular diseases.

## 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.

## 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](mailto:technicalservice@bioxcell.com).

kDa

1

2

250 —

130 —

72 —

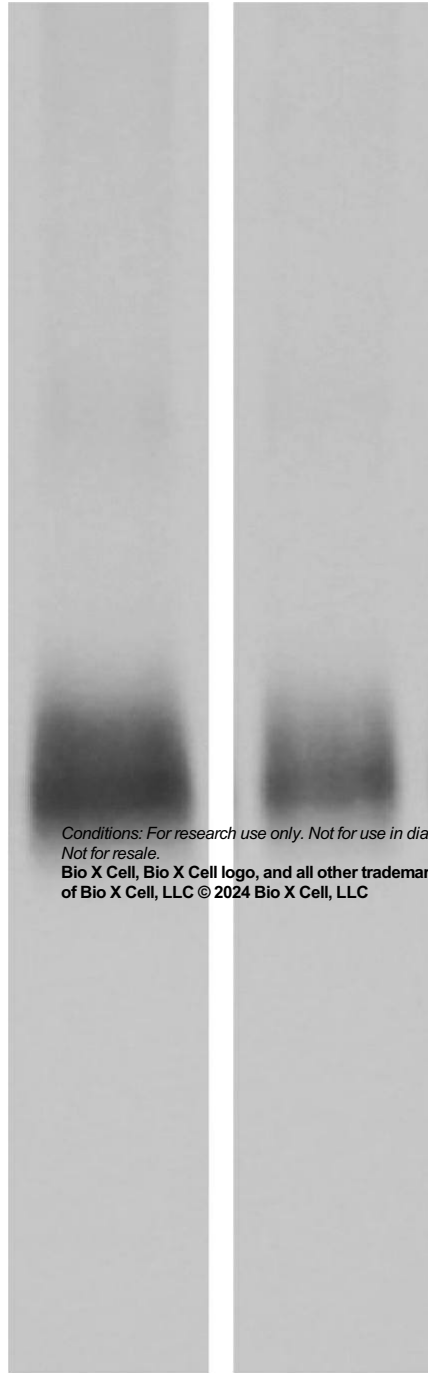
55 —

36 —

28 —

17 —

10 —



Lane 1 : 20 ng recombinant-3/LGALS3

Lane 2 : 10 ng recombinant-3/LGALS3

Primary: anti-mouse recombinant-3)(M3/38) at 1:1000 dilution

Secondary: HRP labeled anti-mouse IgG at 1:1000 dilution

Predicted band size: 36 kDa

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