

# Technical Data Sheet

InVivoMAb anti-human/mouse/rat amyloid-beta



**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:** BE0368  
**Clone:** MOAB-2  
**Isotype:** Mouse IgG2b,  $\lambda$   
**Recommended Isotype Control(s):** InVivoMAb mouse IgG2b isotype control, unknown specificity  
**Recommended Dilution Buffer:** InVivoPure pH 7.0 Dilution Buffer  
**Immunogen:** Human A $\beta$ 42  
**Reported Applications:** Western blot  
Immunohistochemistry  
Immunofluorescence  
Immunoprecipitation  
ELISA  
**Formulation:** PBS, pH 7.0  
Contains no stabilizers or preservatives  
**Endotoxin:** <2EU/mg (<0.002EU/ $\mu$ g)  
Determined by LAL gel clotting assay  
**Purity:** >95%  
Determined by SDS-PAGE  
**Sterility:** 0.2  $\mu$ m filtration  
**Purification:** Protein A  
**RRID:** [AB\\_2927505](https://europepmc.org/abstract/PP/AB_2927505)  
**Molecular Weight:** 150 kDa

## Description

The MOAB-2 monoclonal antibody (epitope mapped to residues 1-5 of human A $\beta$ ) is a pan-specific antibody. Using synthetic A $\beta$ , it recognizes unaggregated, oligomeric or fibrillar forms of A $\beta$ 42 and unaggregated A $\beta$ 40, and is selective for human A $\beta$ 42 over A $\beta$ 40. With synthetic A $\beta$  or human or rodent brain homogenates, MOAB-2 specifically detects A $\beta$ , but not amyloid precursor protein (APP), which is cleaved by  $\beta$ - and  $\gamma$ -secretase to release A $\beta$ . With immunostaining of human or rodent tissue, MOAB-2 detects intraneuronal A $\beta$ , as well as diffuse or compact amyloid plaques.

## 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/catalogsearch/result/?q=BE0368#tab\\_references](https://bioxcell.com/catalogsearch/result/?q=BE0368#tab_references) or scan the QR code below.



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*Not for resale.*

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