Technical Data Sheet

InVivoMAb anti-mouse/human PrP (prion protein)

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:	**BE0350**
Clone:	**TW1**
Isotype:	Mouse IgG2a
Recommended Isotype Control(s):	InVivoMAb mouse IgG2a isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Non-denatured PK-resistant fragment of PrPSc purified from brains of CD-1 mice infected with mouse-adapted scrapie strain 139A
Reported Applications:	*in vivo* PrP blocking Western blot
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/µg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 µm filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_2894769
Molecular Weight:	150 kDa

Description

The TW1 monoclonal antibody reacts with mouse and human prion protein (PrP), also known as PRNP. Specifically, the antibody has been shown to react with mouse PrP AA sequences 90-108, 94-123, and 23-231. PrP is ubiquitously expressed in a variety of different organs and tissues with high expression levels in the central and peripheral nervous systems. Conversion of the normal cellular prion protein (PrPc) into an abnormal conformation (PrPSc) is the crucial step associated with triggering the pathogenesis of prion neurodegenerative disorders. The TW1 antibody has been reported to bind to both PrPc and PrPSc and to block the interaction of PrP with tau protein. In a mouse model of Alzheimer's disease (AD) the TW1 antibody was shown to effectively ameliorate tau-related pathology.

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

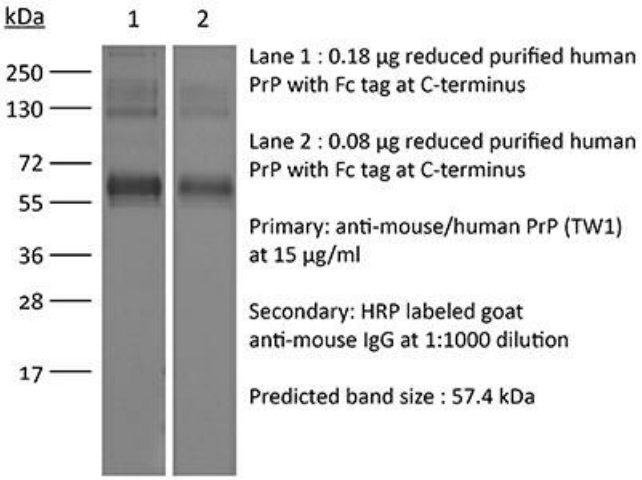
dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit https://bioxcell.com/be0350?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.



Bio X Cell, LLC
https://bioxcell.com
+1-866-787-3444
customerservice@bioxcell.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, LLC © 2025 Bio X Cell, LLC