



Prion Protein Monoclonal Antibody - BAR 233

Cat No: A03223 - 200 µg

General Data

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|---------------------|--|
| Shipping: | Dry Ice |
| Formulation: | lyophilized IgG with BSA |
| Host: | Mouse |
| Antigen: | This anti-Prion Protein Monoclonal Antibody was raised against an ovine recombinant protein. |
| Clone: | BAR233 |
| Isotype: | IgG2b |



Application(s): Reconstitute the content of the vial in 1 mL of water.

For western blot analysis of PrP^C, dilute to a final concentration of 1 µg/mL and use BSA as blocking reagent. For EIA and flow cytometry, the optimal working must be determined empirically (currently between 0.1 and 1 µg/mL).

Specificity: PrP^C
(NA*) Hamster, (+) Mouse, (NA*) Bovine, (+) Ovine, (+) Human.

Product Overview

Prion Protein (PrP) and namely its abnormal isoform, partially resistant to proteinase K (PrP^{Sc}), is the only specific molecular marker of the Transmissible Spongiform Encephalopathies (TSEs) such as Bovine Spongiform Encephalopathie (BSE) or its human form, the New Variant of Creutzfeld-Jakob disease.

This antibody recognises the protein sequence within amino acids 141-152 (human numbering).

Scientific Literature

Féraudet C., et al. Screening of 145 Anti-PrP Monoclonal Antibodies for Their Capacity to Inhibit PrP^{Sc} Replication in Infected Cells. The journal of Biological Chemistry. Vol. 280. No. 12, March 25, pp. 11247-11258, 2005.

Selective and Efficient Immunoprecipitation of the Disease-associated Form of the Prion Protein Can Be Mediated by Nonspecific Interactions between Monoclonal Antibodies and Scrapie-associated Fibrils. The journal of Biological Chemistry. Vol. 279. No. 29, July 16, pp. 30143-30149, 2004.

For research laboratory use only – Not for human diagnostic use.

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