

# Product Information



## Prion Protein Monoclonal Antibody - BAR 224

Cat No: A03211 - 200 µg

### General Data

<b>Shipping:</b>	Dry Ice
<b>Formulation:</b>	lyophilized IgG with BSA
<b>Host:</b>	Mouse
<b>Antigen:</b>	This anti-Prion Protein Monoclonal Antibody was raised against an ovine recombinant protein.
<b>Clone:</b>	BAR 224
<b>Isotype:</b>	IgG2a



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

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

**Specificity:** PrP<sup>c</sup>  
(NA\*) Hamster, (-) Mouse, (-) Bovine, (+) Ovine, (-) Human.

### Product Overview

Prion Protein (PrP) and namely its abnormal isoform, partially resistant to proteinase K (PrP<sup>Sc</sup>), 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 141-151 (human numbering).

### Scientific Literature

Féraudet C., et al. Screening of 145 Anti-PrP Monoclonal Antibodies for Their Capacity to Inhibit PrP<sup>Sc</sup> 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.

FP/14/23

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