



## 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/26/24

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

Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

Bertin Bioreagent does not make any other warranty or representation whatsoever whether expressed or implied, with respect to these products. In no event will Bertin Bioreagent be liable for incidental, consequential or punitive damages.

#### Contact Bertin Bioreagent

Parc d'Activités du Pas du Lac  
10 bis avenue Ampère  
78180 Montigny le Bretonneux - France  
Tel.: +33 (0)139 306 036  
<https://www.bertin-bioreagent.com/pa206/contact-us>  
<https://www.bertin-bioreagent.com>