



## Prion Protein Monoclonal Antibody - 8G8

Cat No: A03220 - 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 the human recombinant protein.
<b>Clone:</b>	8G8
<b>Isotype:</b>	IgG2a



**Application(s):** Reconstitute the content of the vial in 1 mL of water.  
For immunohistochemistry, the optimal working dilution must be determined empirically (currently between 0.1 and 1 µg/mL).

**Specificity:** PrPc  
(+) 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 Encephalopathy (BSE) or its human form, the New Variant of Creutzfeldt-Jakob disease.

This antibody recognises the protein sequence within amino acids 95-110 (human numbering).

### Scientific Literature

Haeberlé A.M. et al. Synaptic Prion Protein Immuno-Reactivity in the Rodent Cerebellum. Microscopy research and Technique 50:66-75 (2000).

Krasemann S. et al. Generation of monoclonal antibodies against prion proteins with an unconventional nucleic acid-based immunization strategy. Journal of Biotechnology 73, 119-129 (1999).

Krasemann S. et al. Induction of antibodies against human prion proteins (PrP) by DNA-mediated immunization of PrP 0/0 mice. Journal of Immunological Methods 199, 109-118 (1996).

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