



Prion Protein Monoclonal Antibody - 8G8

Cat No: A03220 - 200 µg

General Data

Shipping:	Dry Ice
Formulation:	lyophilized IgG with BSA
Host:	Mouse
Antigen:	This anti-Prion Protein Monoclonal Antibody was raised against the human recombinant protein.
Clone:	8G8
Isotype:	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^{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 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).

FP/22/24

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.

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