# **Product Information**





## **Prion Protein Monoclonal Antibody - 2G11**

Cat No: A03225 - 200 Âμg

#### **General Data**

Shipping: Dry Ice

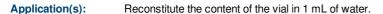
Formulation: Iyophilized IgG with BSA

Host: Mouse

Antigen: This anti-Prion Protein Monoclonal Antibody was raised

against a synthetic peptide (146-182) of the ovine PrP peptide.

Clone: 2G11 Isotype: IgG2a



IHC for sheep PrPres without PK treatment

For immunohistochemistry, the optimal working dilution must be determined empirically (currently between 0.1 and 1  $\mu$ g/mL). Mab 2G11 binds to the partially denatured or oxidized normal prion protein in vitro and as such is an indicator (by lack of signal) of preservation of

the native state.

Specificity: PrPres

(+) Caprine, (+) Ovine, (+/-) Bovine, (+/-) Mouse, (+) Bovine Linked with 12F10, (-) Human,

(-) Hamster.

#### **Product Overview**

Prion Protein (PrP) and namely its abnormal isoform, partially resistant to proteinase K (PrPres), 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 149-161 peptide motif on the ovine sequence that is EDRYYRENMYRYP.

### Scientific Literature

Andreoletti O., Berthon P., Marc D., Sarradin P., Grosclaude J., Van Keulen L., Schelcher F., Elsen J-M., and Lantier F. (2000). Early accumulation of PrPSc in gut-associated lymphoid and nervous tissues of susceptible sheep from a Romanov flock with natural scrapie J.Gen Virol, 81, 3115-3126

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