



## Prion Protein Monoclonal Antibody - 2G11

Cat No: A03225 - 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 a synthetic peptide (146-182) of the ovine PrP peptide.
<b>Clone:</b>	2G11
<b>Isotype:</b>	IgG2a



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

IHC for sheep PrPres without PK treatment

For immunohistochemistry, the optimal working dilution must be determined empirically (currently between 0.1 and 1 µg/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 ED<sub>RRYYREN</sub>MYRYP.

### 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 PrP<sup>Sc</sup> in gut-associated lymphoid and nervous tissues of susceptible sheep from a Romanov flock with natural scrapie J.Gen Virol, 81, 3115-3126

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.

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>