

Mouse Anti-Sheep Prion Protein (PRNP) Monoclonal Antibody

Cat. No.: VD11N721

Product Type: Animal-targeted Antibodies

Size: 250 µg

Product Overview

BioVenic mouse monoclonal antibody is specific for sheep prion protein. It can be applied to ELISA and IHC assays of sheep prion protein.

Specifications

Application	ELISA; IHC
Clonality	Monoclonal
Classification	Primary Antibody
Clone	J8N4
Host	Mouse
Target Species	Sheep
Species Reactivity	Sheep
Specificity	Sheep Prion Protein
Isotype	IgG2
Immunogen	Recombinant protein of prion protein
Concentration	1 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	Sodium Azide
Buffer	Phosphate Buffered Saline
Physical State	Liquid

Target Information

Sheep prion protein (PrP) is a central component in the study of prion diseases, particularly scrapie, which is a fatal neurodegenerative disease in sheep. PrP exists in two forms: the normal cellular form (PrPC) and the disease-associated form (PrPSc). The conversion of PrPC to PrPSc is the key event in the pathogenesis of prion diseases. Genetic variations in the prion protein gene (PRNP), especially at codons 136, 154, and 171, are associated with differences in scrapie susceptibility.

Target	Sheep Prion Protein
Target Synonym	PRNP
Gene ID	493887
UniProt ID	P23907

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

Reference

Bannach, Oliver, *et al.* "Detection of prion protein particles in blood plasma of scrapie infected sheep." *PloS one* 7.5 (2012): e36620.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.