

PRNP

Mouse Anti-Bovine Prion Protein (Clone 1E4) mAb

Catalog No.	M1839	Quantity:	250 µL
Alternate Names:	PrP, AltPrP		
Description:	<p>The monoclonal antibody recognizes bovine prion protein, a membrane glycosylphosphatidylinositol-anchored glycoprotein that tends to aggregate into rod-like structures. The encoded protein contains a highly unstable region of five tandem octapeptide repeats.</p> <p>The molecular mass of the prion protein isoforms PrP^C and PrP^{Sc} is 30-35 kDa; after digestion with protease K, PrP^{Sc} becomes PrP²⁷⁻³⁰ (27-30 kDa).</p>		
Gene ID:	281427		
Concentration:	500 µg/mL		
Conjugate:	Unconjugated		
Specificity:	Clone 1E4 recognizes prion proteins from human, cattle, sheep, deer, mouse and hamster, as demonstrated by Western Blot. Using pepscan analysis, the epitope has been mapped to the sequence QWNKPS.		
Source:	Culture Supernatant		
Host:	Mouse		
Isotype:	IgG1k		
Immunogen:	Peptide QWNKPSKPKTN#, corresponding to the bovine PrP amino acid sequence 108-119 (# = amidated carboxy-terminus), coupled to KLH at its N-terminal end via a CG-AA linker).		
Clone:	1E4		
Formulation:	Liquid in PBS with 0.001% Merthiolate.		
Purification:	Protein A Affinity Chromatography		
Applications:	Western Blot, RIA, ELISA, ELISPOT, Flow Cytometry, Immunohistochemistry		
Application Notes:	Prion research on biological samples, body fluids, cells, tissue sections and homogenates, capturing or detecting antibody in immunoassays. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store at -20 °C in working aliquots. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

