

PRNP

Mouse Anti-Bovine Prion Protein Clone 1E4 Biotin mAb

Catalog No.	M1840	Quantity:	125 µl
Alternate Names:	PrP, prion protein, prion protein PrP, prion protein precursor PrP		
Description:	Mouse Anti-Bovine PRNP/PRPC Clone 1E4 Biotin mAb		
	This clone was derived from hybridization of SP2/0-Ag14 myeloma cells with spleen cells of a mouse immunized with the peptide QWNKPSKPKTN# (corresponding to the bovine PrP AA sequence 108-119; #=amidated carboxy-terminus) coupled to KLH at its N-terminal end via a CG-AA linker.		
Gene ID:	281427		
Host:	Mouse		
Source:	Culture supernatant		
Molecular Mass:	The molecular weight of both PrPC and PrPSc is 30-35 kDa; after digestion with protease K, PrPSc becomes PrP27-30 (27-30 kDa).		
Isotype:	IgG1k		
Clone:	1E4		
Conjugate:	HRP		
Formulation:	Liquid in 20 mM TRIS + 150 mM NaCl + 1% BSA + 0.001% Merthiolate as a preservative.		
Purification:	Protein A affinity chromatography		
Cross-Reactivity:	In contrast to many other antibodies used for detection of prion protein, 1E4 has broad species reactivity. Detection of prion protein has been demonstrated with Western blot for human, cow, sheep, deer, mouse, and hamster. Using pepscan analysis epitope has been mapped to the sequence QWNKPS.		
Applications:	Prion research on biological samples, body fluids, tissue sections and homogenates, capturing or detecting antibody in immunoassays. Suitable for: Western Blot, RIA, ELISA, EliBlot, and IHC.		
Application Notes:	The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store at -20°C. Do not freeze / thaw more than 3 times. Expiry date is stated on the vial label.		

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

