

## Mouse Anti-Bovine PRNP/PRPC Clone 1E4 HRP mAb

|                                 |  |                  |        |
|---------------------------------|--|------------------|--------|
| <b>Catalog No.</b>              | M1841  | <b>Quantity:</b> | 125 µl |
| <b>Description:</b>             | Anti-Prion Clone 1E4 HRP conjugated 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.               |                  |        |
| <b>Concentration:</b>           | 0.5 mg/ml  |                  |        |
| <b>Host:</b>                    | Mouse  |                  |        |
| <b>Source:</b>                  | Culture supernatant  |                  |        |
| <b>Molecular Mass:</b>          | 30-35 kDa for both PrP <sup>C</sup> and PrP <sup>Sc</sup> ; after digestion with protease K, PrP <sup>Sc</sup> becomes PrP <sup>27-30</sup> (27-30 kDa).   |                  |        |
| <b>Isotype:</b>                 | IgG1k  |                  |        |
| <b>Clone:</b>                   | 1E4  |                  |        |
| <b>Conjugate:</b>               | HRP  |                  |        |
| <b>Formulation:</b>             | Liquid in 20 mM TRIS + 150 mM NaCl + 1% BSA + 0.001% Merthiolate as a preservative.  |                  |        |
| <b>Purification:</b>            | Protein A affinity chromatography  |                  |        |
| <b>Cross-Reactivity:</b>        | 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. |                  |        |
| <b>Applications:</b>            | Prion research on biological samples, body fluids, tissue sections and homogenates, capturing or detecting antibody in immunoassays.<br>Suitable for:<br>Western Blot, RIA, ELISA, EliBlot, and IHC.   |                  |        |
| <b>Application Notes:</b>       | The optimal concentration should be determined by the user for each specific application.  |                  |        |
| <b>Storage &amp; Stability:</b> | Store at -20°C. <b>Do not freeze / thaw more than 3 times.</b> Expiry date: 02/11/2013   |                  |        |

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