

Anti-bovine prion protein mab 4F7

| Catalogue number | Package size |
|------------------|--------------|
| 0102000701 | 100 µg |
| 0102000703 | 1 mg |

For research use only.

| | |
|----------------------|---|
| Product: | monoclonal antibody |
| Clone: | 4F7 |
| Host: | mouse |
| Isotype: | IgG1 _k |
| Immunogen: | recombinant bovine prion protein |
| Specificity: | bovine prion protein aa YY...MHRY...YY |
| Purification: | purified by affinity chromatography |
| Purity | > 95% by SDS-PAGE |
| Solution: | PBS pH 7.4 without additives |
| Storage: | at -20 °C (repeated thawing and freezing should be avoided) |
| Applications: | ELISA, Western Blot (see figure below) |
| Dilution: | 2 ng/ml in ELISA, 1 µg/ml in Western Blot |
| Reactivity: | bovine and human prion protein, PrP ^{res} |

Figure

Native bovine prion protein from brain (*M. oblongata*) was separated by SDS-PAGE under reducing conditions and blotted on nitrocellulose membrane. NC membrane was incubated by 0.25 µg/ml of mab 4F7.

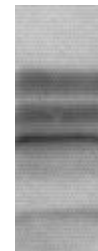
Bound antibody was detected using horseradish peroxidase conjugated goat anti-mouse IgG/M antibody (ZYMED) and H₂O₂/TMB substrate solution.

Mab 4F7 reacted specifically with bands of PrP^c.

MW (kDa)

29 —

21 —



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