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Indirect ELISA using a multi-epitope recombinant protein to detect antibodies against foot-and-mouth disease virus serotype O in pigs

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Highlights

- An indirect ELISA was developed to detect antibodies against FMDV serotype O in pigs.
- The specificity and sensitivity of I-ELISA were 96.7% and 95.9% respectively.
- I-ELISA serum values of B4-vaccinated pigs correlated closely with clinical protection ($p < 0.01$).
- I-ELISA was suitable for detecting antibodies from pigs vaccinated with inactivated vaccine.

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