

Monoclonal Antibody to FMDV O1K - Purified

Alternate names:	Foot and Mouth Disease Virus RNA for polyprotein, Genome polyprotein
Catalog No.:	AM33168PU-N
Quantity:	1.0 mg
Concentration:	2.0 mg/ml (by absorption at 280 nm)
Background:	<p>Foot and Mouth Disease (FMD) is the most important economic threat to the livestock industries. The highly contagious disease is able to affect all cloven hoofed animals and is widespread throughout the world. In many countries the disease is controlled by preventive vaccination. In contrast, vaccination is mostly banned in countries which are free of the disease.</p> <p>The FMD viruses are classified into 7 main serotypes. The FMDV type O is the most commonly found serotype, followed by FMDV type A. The types Asia 1, A, C and SAT 1,2,3 generally occur more regional than FMDV type O. The existence of many serotypes makes the diagnosis complex.</p> <p>Prionics offers three different type specific ELISA tests for the diagnosis of the FMDV types O, A and Asia 1, respectively. The tests are excellent and unique tools for the recognition of these serotypes in outbreak situations and can be applied to screen sera of all cloven hoofed animals.</p>
Uniprot ID:	Q84770
NCBI:	12110
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	99
Immunogen:	<p>FMDV strain O₁ Kaufbeuren.</p> <p>Hybridoma cell-line: FMDV O₁K MAb 99.</p> <p>Fusion: Mouse Balb/c, spleen cells, fusion partner P3X63-Ag8.653 myeloma cells.</p>
Format:	<p>State: Liquid purified Ig fraction</p> <p>Purification: Affinity Chromatography on Protein G and dialysis against Buffer</p> <p>Buffer System: PBS, pH 7.2</p> <p>Preservatives: None</p>
Applications:	<p>ELISA.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	This antibody recognizes Foot-and-mouth disease virus (FMDV) type O1 Kaufbeuren.

Storage:

Upon receipt, store undiluted (in aliquots) at -20°C.
Proteins were handled under aseptic conditions. After opening Add a preservative to prevent protein degradation.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Product Citations:

Originator or purchased from resellers:

1. Pfaff E, Thiel HJ, Beck E, Strohmaier K, Schaller H. Analysis of neutralizing epitopes on foot-and-mouth disease virus. J Virol. 1988 Jun;62(6):2033-40. PubMed PMID: 2835507.