



Rabbit Anti-FMDV VP1 antibody

SL10815R

Product Name:	FMDV VP1
Chinese Name:	口蹄疫病毒VP1抗体
Alias:	foot and mouth disease virus; Foot-and-mouth disease virus-type O; Foot-and-mouth disease virus-type Asia 1; Foot-and-mouth disease virus-type Asia 1; Foot-and-mouth disease virus-type C; VP1 protein; FMDV Polyprotein (VP1 protein).
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	FMDV
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	240kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	Recombinant FMDV Asia1 VP1 (His tag):
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The foot-and-mouth disease virus (FMDV) is the pathogen that causes foot-and-mouth disease. It is a picornavirus, the prototypical member of the Aphthovirus genus. The disease, which causes vesicles (blisters) in the mouth and feet of bovids, suids, ovids, caprids and other cloven-hoofed animals is highly infectious and a major plague of animal farming. The virus particle (25-30 nm) has an icosahedral capsid made of protein, without envelope, containing a single strand of ribonucleic acid (RNA)

containing a positive encoding of its genome. When the virus comes in contact with the membrane of a host cell, it binds to a receptor site and triggers a folding-in of the membrane. Once the virus is inside the host cell, the capsid dissolves, and the RNA gets replicated, and translated into viral proteins by the cell's ribosomes using a cap-independent mechanism driven by the internal ribosome entry site element. The foot-and-mouth disease virus occurs in seven major serotypes: O, A, C, SAT-1, SAT-2, SAT-3, and Asia-1. These serotypes show some regionality, and the O serotype is most common.

Subcellular Location:

Host cytoplasm.

SWISS:

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Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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