

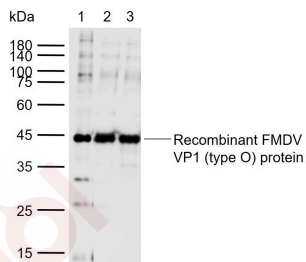
Anti-FMDV VP1 Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: FMDV
Molecular Weight: Theoretical: 240 kDa. Actual: 45 kDa.
Purification: Protein A purified

Applications

Sample:
Lane 1: Recombinant FMDV VP1 protein, Sumo & His
Lane 2: Recombinant FMDV VP1 (type O) protein, Sumo & His
Lane 3: Recombinant FMDV VP1 (type O) protein, Sumo & His
Verified Activity:
Primary: Anti-FMDV VP1 (TMAB-00691) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 240 kDa
Observed band size: 45 kDa



Application: ELISA,WB
Recommended ELISA=1:5000-10000; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: FMDV Asia1 VP1 (His tag)
Foot-and-mouth disease virus-type C;Foot-and-mouth disease virus-type O;VP1 protein;FMDV
Synonyms: Polyprotein(VP1 protein);foot and mouth disease virus;Foot-and-mouth disease virus-type Asia 1

Research Background

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

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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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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