
FMDV VP1 Rabbit pAb

Catalog Number: bs-10815R

Target Protein: FMDV VP1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), ICC (1:100-500), IF (1:100-500),
ELISA (1:5000-10000)

Reactivity: FMDV

Predicted MW: 240 kDa

Isotype: IgG

Entrez Gene: N/A

Swiss Prot: N/A

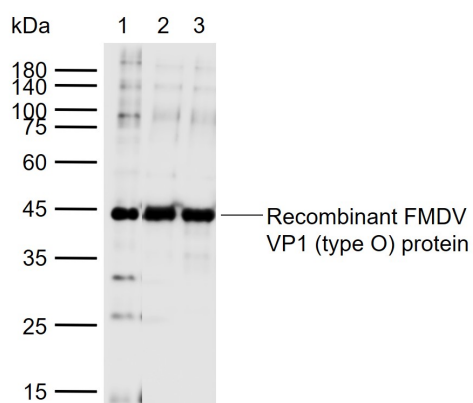
Purification: affinity purified by Protein A

Storage: Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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 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.

VALIDATION IMAGES



Sample:

Lane 1: Recombinant FMDV VP1 protein, Sumo & His(bs-10815P)

Lane 2: Recombinant FMDV VP1 (type O) protein, Sumo & His(bs-41028P)

Lane 3: Recombinant FMDV VP1 (type O) protein, Sumo & His(bs-41049P)

Primary: Anti-FMDV VP1 (bs-10815R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 240 kDa

Observed band size: 45 kDa