

# FMD Type O Ab ELISA

## Foot and mouth disease (FMD) SP Antibody

Foot-and-mouth disease(FMD) is a highly contagious viral disease of cloven-hoofed animals. The symptoms include high fever for two or three days and blisters inside the mouth and on the feet which may lead to lameness. FMD has critical impacts on livestock industry since it can be easily spread by infected animals via aerosols, farming instruments and wild predators thereby affecting trade and quarantine among the countries Our BIONOTE FMD SP Ab ELISA is a Competitive Enzyme Linked Immunosorbent Assay for the qualitative detection of antibody to FMD SP(serotype O) in serum or plasma of cow, pig and goat.



## Indications

- Detection of anti-FMD SP(serotype O) Ab
- Diagnosis of FMD in non-vaccinated herds
- Screening test for vaccination antibodies

## Special Features

- Specimen : Serum, Plasma
- Reading time : 105 minutes
- High Sensitivity, High Specificity
- Can be applied to various animal species including cow, pig, and goat

## Quick Procedure

1. Pre-incubate all reagents and samples for 30 minutes in room temperature and shake them before use
2. Prepare strip wells for negative control, positive control, validation control 1, validation control 2, and samples
3. Dispense 25 µl of negative control into three wells
4. Dispense 25 µl of positive control into two wells
5. Dispense 25 µl of validation control 1, validation control 2, and samples into appropriate wells
6. Add 100 µl of diluted enzyme conjugate
7. Shake the plate
8. Cover the plate and incubate for 90 minutes at 37°C
9. Wash 6 times with 350 µl of diluted washing solution
10. Add 100 µl of substrate right after removing washing solution
11. Incubate the plate for 15 minutes at room temperature in the dark
12. Add 100 µl of stop solution
13. Measure the optical density (OD) at 450nm with reference wavelength at 620 within 30 minutes
14. PI Value =  $[1 - (\text{mean OD}_{\text{sample}} / \text{mean OD}_{\text{NC}})] \times 100$

## Ordering Information

Cat. No.	Description	Type	Packing size
EB4803PO	FMD Type O Ab ELISA	Microplate	480 Wells/Kit