**BACKGROUND**

BVDV (bovine viral diarrhea virus) is a viral disease of ruminants, such as cattle, bison, yaks, deer and goats, that is a member of the *Pestivirus* genus. BVDV has two different biotypes, cytopathic and non-cytopathic, with 99% of field strains of BVDV being non-cytopathic. Infection with BVDV can result in symptoms of varying intensity, including fever, diarrhea, pneumonia, lameness, abortion or early embryonic death, oral lesions and decreasing milk production. Infected animals can shed the virus in the air, manure and body secretions, which increases the risk of infection for animals in the livestock trade or pasturing animals. Calves who become infected with BVDV while in the womb will become persistently infected (PI), animals who will continuously shed the virus throughout their lifetime.

**REFERENCES**


**SOURCE**

BVDV (13/G4) is a mouse monoclonal antibody raised against a lysate of cow cells infected with the Nadl isolate of BVDV.

**PRODUCT**

Each vial contains 200 µg IgG2a in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

BVDV (13/G4) is recommended for detection of the p125/p80 non-structural region of BVDV of Pestivirus origin by immunoprecipitation [1–2 µg per 100–500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

**RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

**STORAGE**

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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**RESEARCH USE**

For research use only, not for use in diagnostic procedures.