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Certificate of Analysis

Monoclonal Antibody

Cell Line: F2

Specificity: Bovine Herpesvirus 1 (Infectious Bovine Rhinotracheitis Virus); specific for the gC (gIII) viral protein. [Reacts at a different epitope than monoclonal antibody G2.]
Does not react with Bovine Herpesvirus 5.

Isotype: IgG_{2b}

Known Applications: ELISA, immunohistochemistry, virus neutralization, immunoperoxidase, PAGE marker.

References:

- Smith, G.H., *et al.* Use of an immunoperoxidase test for the detection of bovine herpesvirus-1 in aborted fetal tissue. *J. Vet. Diagn. Invest.* 1(1):39-44 (Jan. 1989).
- Collins, J.K., *et al.* Evaluation of an antigen-capture ELISA for the detection of bovine herpesvirus type 1 shedding from feedlot cattle. *Vet. Microbiol.* 16(2):101-107 (Feb. 1988).
- Collins, J.K., *et al.* Rapid detection of bovine herpesvirus type 1 antigens in nasal swab specimens with an antigen capture enzyme-linked immunosorbent assay. *J. Clin. Microbiol.* 21(3):375-380 (Mar. 1985).
- Collins, J.K., *et al.* Neutralizing determinants defined by monoclonal antibodies on polypeptides specified by bovine herpesvirus 1. *J. Virol.* 52(2):403-409 (Nov. 1984).

Description and Handling: This monoclonal antibody is produced as mouse ascites fluid, clarified by centrifugation, and filtered through a 0.2 µM filter. The concentration is 1.0 mg/ml in phosphate-buffered saline, preserved with sodium azide.

Storage: When the vial is stored at 2-8°C, it should be stable for one year.

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