



VMRD

PO Box 502, Pullman, WA 99163 USA

Telephone: 509-334-5815

Fax: 509-332-5356

E-mail: vmrd@vmrd.com

Web site: <http://www.vmrd.com>

Certificate of Analysis

F2

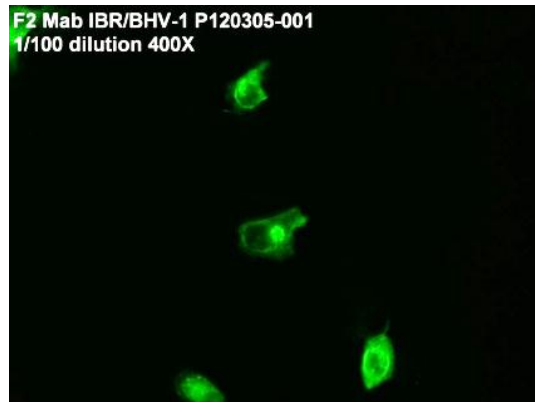
Monoclonal Antibody

CATALOG NO.: F2

LOT: P120305-001

ISOTYPE: IgG_{2b}

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



KNOWN APPLICATIONS: ELISA, immunohistochemistry, virus neutralization, immunoperoxidase, immunofluorescence, and PAGE marker.

DESCRIPTION: This monoclonal antibody is produced as mouse ascites fluid, clarified by centrifugation, and filtered through a 0.2 µm filter. The antibody concentration is 1.0 mg/ml, in phosphate-buffered saline (PBS), stabilized with 4 mg/ml bovine serum albumin (BSA), and preserved with 0.09% sodium azide (NaN₃).

QUALITY CONTROL METHOD: Indirect FA using VMRD, Inc. IBR/BHV-1 12-well slide (catalog no. SLD-IFA-IBR), Isotype Control IgG_{2b} (1.0 mg/ml), and Anti-Mouse IgG FITC Conjugate (catalog no. CJ-F-MURG-AP-10ML). The concentration was tested in RID with a mouse Immunoglobulins kit IgG_{2b}.

Specific Reaction: 3-4+ fluorescence at a concentration of 100 µg/ml with no background and an endpoint less than 0.1 µg/ml. Isotype control was negative. RID results showed a concentration of 1.4 mg/ml.

Other Comments: NA

PATTERN OF FLUORESCENCE: Primarily undifferentiated cytoplasmic with some nuclear fluorescence, especially in rounded cells and degenerating cells in plaques with acellular centers.

STORAGE: When the vial is stored at 2-7°C, it should be stable for one year.

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).

FOR IN VITRO LABORATORY USE ONLY.

WARRANTY: VMRD, Inc. warrants that this product is as described in the quantity and contents stated on the label at the time of delivery to the customer. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE MADE BEYOND THE LABEL DESCRIPTION, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Remedy is limited to replacement of the product or refund of the purchase price. VMRD, Inc. is not liable for property damage, personal injury, or economic loss caused by the product. The information listed in this information sheet is provided for reference only, and should not be substituted for the user's own incoming material quality control.

- 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).