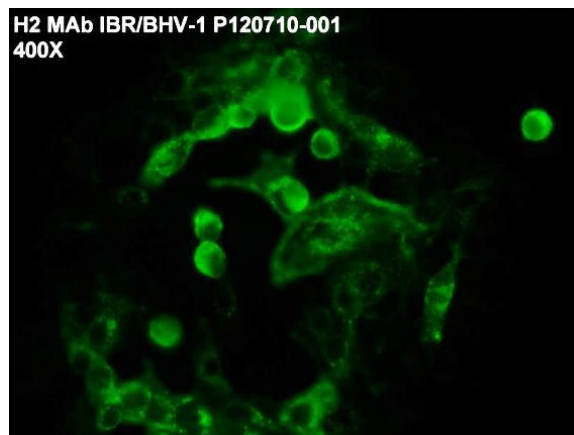


CERTIFICATE OF ANALYSIS

H2

Monoclonal Antibody

Catalog No. / Cell Line:	H2
Lot:	P120710-001
Isotype:	IgG _{2b}



Specificity:

Bovine Herpesvirus 1 (Infectious Bovine Rhinotracheitis Virus); specific for the gB (gl) viral protein. [Reacts at the same epitope as monoclonal antibody D9E7.] Also reacts with Bovine Herpesvirus 5.

Known Applications:

ELISA, neutralization, precipitation and indirect immunofluorescence.

Description:

This monoclonal antibody is produced as mouse ascites fluid from subclone of cell line H2A, clarified by centrifugation, and filtered through a 0.2 µm filter. The antibody concentration is 1.0 mg/ml 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).

Specific Reaction: 3-4+ fluorescence at a concentration of 10 µg/ml with no background and an endpoint titer of trace to 1+ at 0.01 µg/ml. The isotype control was negative. The RID results showed a concentration of 1.81mg/ml.

Other Comments: NA

Pattern of Fluorescence:

Primarily undifferentiated cytoplasmic and membrane 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:

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).

FOR IN VITRO LABORATORY USE ONLY.

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30 July 2012