

CERTIFICATE OF ANALYSIS

H2

Monoclonal Antibody

Catalog No. / Cell Line:	H2
Lot:	H21105F
Isotype:	IgG <sub>2b</sub>

**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, clarified by centrifugation, and filtered through a 0.2 µm filter. The antibody concentration is 1.0 mg/ml, in phosphate-buffered saline (PBS), and preserved with 0.09% sodium azide (NaN<sub>3</sub>).

**Quality Control Method:**

Indirect FA using VMRD, Inc. IBR/BHV-1 12-well slide (catalog no. SLD-IFA-IBR), Isotype Control IgG<sub>2b</sub> (1.0 mg/ml), and Anti-Mouse IgG FITC Conjugate (catalog no. CJ-F-MURG-AP-10ML). Test in RID IgG<sub>2b</sub> for isotype mg/ml concentration.

**Specific Reaction:** 1-4+ signal at a concentration of 1.0 µg/ml with no background and an endpoint concentration of less than 0.1 µg/ml. The isotype control had a negative reaction. RID testing showed a concentration of 1.30 mg/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.

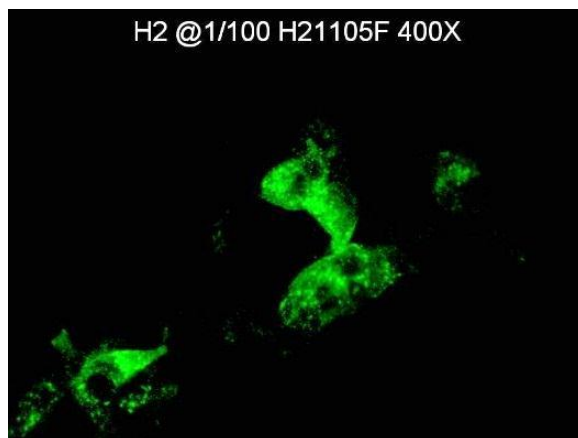
**Storage:**

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.

H:\Quality VMRD\QC\CofA\Monoclonals\H2\H2 H21105F.docx

8 July 2011