

CERTIFICATE OF ANALYSIS

G2

Monoclonal Antibody

Catalog No.:	G2
Lot:	P140122-003
Isotype:	IgG ₁
Expiration:	1 year when stored at 2-7°C

Specificity:

Bovine Herpesvirus Type 1 (BHV-1/IBR) MAb Ascites gC-gIII IgG₁ Isotype. [Reacts at a different epitope than monoclonal antibody F2] Also reacts with Bovine Herpesvirus Type 5.

Known Applications:

ELISA, virus neutralization.

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 BHV-1/IBR 12-well slide (catalog no. SLD-IFA-IBR), isotype control IgG₁, and anti-murine IgG FITC conjugate (catalog no. CJ-F-MURG-AP-1ML or 10ML). Mouse Immunoglobulins IgG₁ RID kit.

Specific Reaction: 3-4+ fluorescence at 10 µg/ml with an endpoint concentration of less than 0.01 µg/ml. The isotype control had a trace reaction. The RID test results showed a concentration of 1.098 mg/ml.

Other Comments: NA

Pattern Of Fluorescence:

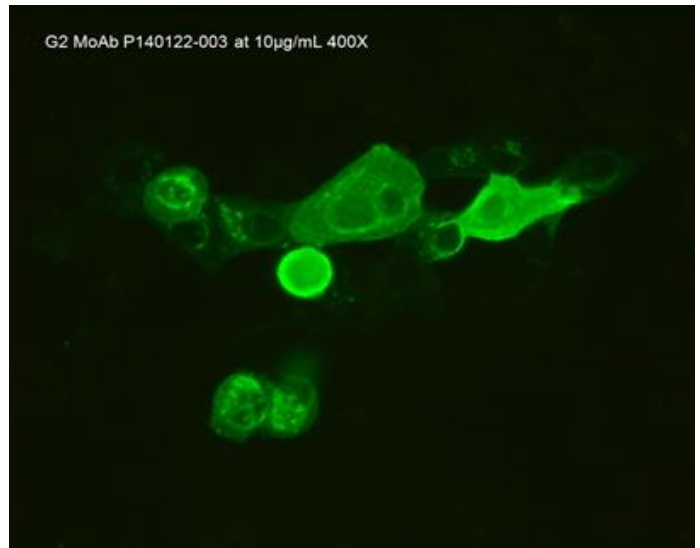
Primarily undifferentiated cytoplasmic with some nuclear fluorescence, especially in rounded cells and degenerating cells in plaques with acellular centers.

Storage:

This monoclonal antibody is provided in liquid form and should be stored at 2-7°C. DO NOT FREEZE!

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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11 February 2014