



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Anti-Bovine Leukemia Virus p24 Monoclonal

Catalog Number: 12145

Lot Number: 130227

Release Category: B

Provided: 1mL unpurified monoclonal antibody in hybridoma medium.

Description: A mouse hybridoma (with fusion partner P3X63AG8) that produces an IgG1 monoclonal antibody to the p24 capsid protein of bovine leukemia virus (BLV).

Host: **Species:** Mouse (BALB/c)
Fusion Partner: P3X63AG8 lymphoblast cell line (mouse, BALB/c)

Special Characteristics: **Immunohistochemistry:** 1:10
Immunocytochemistry: 1:10-1:20
Immunoblotting (western): 1:2000-1:10,000
Antigen: whole virions; culture supernatant from a bovine leukemia virus producing cell line, Bat₂Cl₆

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

Epitope: The antibody is not directed against a specific epitope.

Neutralization: This has not been tested.

Cross Reactivity; The antibody does not cross react in immunohistochemistry assays with cells producing the following viruses: HTLV1 (human T cell leukemia virus 1), HIV (human immunodeficiency virus), MMTV (mouse mammary tumor virus), HHV1 and 2 (cytomegalovirus), HPV (human papillomavirus), HBV (hepatitis B virus).

Recommended Storage: Keep at 4°C for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.

Contributor: Gertrude C. Buehring; University of California, Berkeley

Isotype: **Heavy Chain:** IgG1

Light Chain: Kappa

References: Kramme PM, Thomas CB, Schultz D, The contribution of bovine leukemia virus infected B-cells to the number of circulating B-cells in cattle. *Comparative Hematology International* 4: 96-101, 1994.

Buehring GC, Kramme PK, Schultz D, Evidence for bovine leukemia virus in the mammary epithelial cells of infected cows. *Laboratory Investigation* 71:359-365, 1994.

Beuhring GC, Philpott SM, Choi KY, Humans have antibodies reactive with bovine leukemia viruses 19:1105-1113, 2003.

Last Updated January 16, 2018

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