

## Mouse MAb to KSHV/HHV-8 ORF59

Catalog Number: 13-211-100

Lot Number: K0801

**Product Description:** Mouse monoclonal antibody to lytic cycle-associated early protein (50 kDa), encoded by ORF 59 of Kaposi's Sarcoma-Associated Herpesvirus/Human Herpesvirus 8. It is identified as DNA polymerase processivity factor (nuclear PF-8 protein), which is expressed in PEL cell lines (BCBL-1, BCP-1, BC-3, KS-1) 6-48 hours post-TPA induction. This antibody originates from ascites fluid and is purified by protein G chromatography.

Hybridoma Clone: 11 D 1

Isotype: IgG<sub>2b</sub>

Unit Size: 100 µg

Fill Volume: 92 µL

Presentation: Purified IgG supplied in DPBS (pH 7.4) with 0.1 % sodium azide.

Expiration Date: 08-2023

### QUALITY CONTROL DATA

**Sterility Tests:** Bacteria, yeasts, and fungi were not detected (USP-NF).

**Protein Concentration:** 1.2 mg/mL determined by Pierce BCA protein assay using BSA standard. Alternative methods for determining protein concentration may give different values.

**Purity:** > 95% pure as estimated by analysis of Coomassie blue stained SDS-PAGE.

**IFA Titer:** 1:640 - 1,280 (Induced KS-1 Cells)

**Note:** IFA staining predominantly shows fluorescence in the nuclear membrane.

**Western Blot Testing:** Reactive in Western Blot using TPA Induced KS-1 Cell Lysate 48 hours post induction.

### PRODUCT DETAILS

**Shipping and Storage:** This product is shipped frozen on dry ice. **Store at -20°C upon receipt.** Avoid multiple freeze-thaw cycles as product degradation may result.

**Recommendations:** Upon thawing, centrifuge the vial for a few seconds to remove residual droplets from the lid.

**Applications For Use:** This product has been shown to be functional using various methods including Immunohistochemistry,<sup>1,2</sup> Immunoprecipitation,<sup>3</sup> IFA,<sup>3,4,5</sup> Western Blot,<sup>5,6</sup> Flow Cytometry,<sup>5,7</sup> Immunoperoxidase Staining.<sup>8</sup>

### Safe Handling

**Recommendation:** This biological preparation should be handled in accordance with biosafety guidelines defined in the BMBL, NIH-CDC HHS Publication No. (CDC) 21-1112.

- References:**
- <sup>1</sup> Luna, R.E., *et al.*, J. Virol. **78**: 6389-6398, 2004.
  - <sup>2</sup> Webster-Cyriaque, J., *et al.*, N Engl J Med. **346**: 1207-1210, 2002.
  - <sup>3</sup> Chan, S.R., *et al.*, Virology **240**: 118-126, 1998.
  - <sup>4</sup> Xu, Y., *et al.*, J. Virol. **79**: 3479-3487, 2005.
  - <sup>5</sup> Zoetewij, J.P., *et al.*, J. Virol. **73**: 5894-5902, 1999.
  - <sup>6</sup> Majerciak, V., *et al.*, J. Virol. **85**: 1528-1540, 2011.
  - <sup>7</sup> Di Bartolo, D.L., *et al.*, J. Virol. **83**: 4308-4315, 2009.
  - <sup>8</sup> Zeng Y, *et al.*, J. Virol. **81**: 2401-2417, 2007.

This product is for research use only.  
Not for use in diagnostic procedures.

*Weatherstine*  
Quality Control

08/23/2019  
Date



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CERTIFICATE OF ANALYSIS