

**Mouse Anti-EBV-LMP [CS1-4]: MC0534, MC0534RTU7**

**Intended Use:** For Research Use Only

**Description:** CS1-4 reacts strongly with EBV-positive lymphoblastoid cell lines and EBV infected B cell immunoblasts in infectious mononucleosis. It also reacts with 25 to 50 per cent of EBV-associated undifferentiated nasopharyngeal carcinomas and with Reed Sternberg cells in approximately 90% of EBV-associated Hodgkin's lymphoma cases. The cocktail recognizes distinct epitopes on the hydrophilic carboxyl region of LMP which is exposed to the cytosol.

**Specifications:**

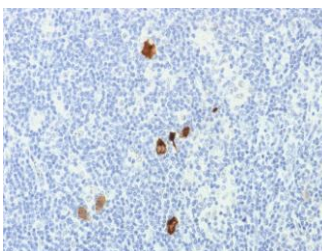
Clone: CS1-4  
 Source: Mouse  
 Isotype: IgG1k  
 Reactivity: Human  
 Immunogen: Recombinant fusion protein containing the sequence of bacterial beta-galactosidase and the carboxyl half of EBV-encoded LMP  
 Localization: Nucleus  
 Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
 Storage: Store at 2°- 8°C  
 Applications: IHC, IP, WB  
 Package:

Description	Catalog No.	Size
EBV-LMP Concentrated	MC0534	1 ml
EBV-LMP Prediluted	MC0534RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: EBV positive cells  
 Concentrated Dilution: 50-200  
 Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
 Incubation Time and Temp: 30-60 minutes @ RT  
 Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human Hodgkin's lymphoma stained with anti-EBV-LMP using DAB

**References:**

1. Repression of the proapoptotic cellular BIK/NBK gene by Epstein-Barr virus antagonizes transforming growth factor  $\beta$ 1-induced B-cell apoptosis. EM, et al. J Virol 88:5001-13, 2014.
2. Analysis of host gene expression changes reveals distinct roles for the cytoplasmic domain of the Epstein-Barr virus receptor/CD21 in B-cell maturation, activation, and initiation of virus infection. Arredouani MS, et al. J Virol 88:5559-77, 2014.
3. Localization of the Epstein-Barr virus protein LMP 1 to exosomes. Flanagan J, et al. J Gen Virol 84:1871-9, 2003.
4. Preferential localization of the Epstein-Barr virus (EBV) oncoprotein LMP-1 to nuclei in human T cells: implications for its role in the development of EBV genome-positive T-cell lymphomas. Xu J, et al. J Virol 76:4080-6, 2002.

Doc. 100-MC0534  
Rev. B