

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.

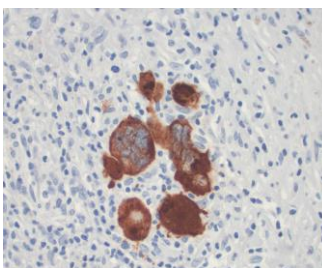
Specifications:

Clone: CS1-4
Source: Mouse
Isotype: IgG1k
Reactivity: Human
Localization: Cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
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: Citrate pH6.0, 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 β 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. A