

Monoclonal Antibody to Epstein Barr Virus / EBV (LMP1) - Supernatant

Alternate names:	HHV-4, HHV4
Catalog No.:	AM33244SU-N
Quantity:	0.1 ml
Background:	EBV is a human herpesvirus that establishes a life-long persistence in the host. The virus infects the vast majority of the world's adult population and is well known for its association with a broad spectrum of benign and malignant diseases, including infectious mononucleosis, Burkitt's lymphoma, nasopharyngeal carcinoma, and is causally associated with lymphoid and epithelial malignancies, including post-transplant lymphoproliferative disorders, Hodgkin's disease, anaplastic nasopharyngeal carcinoma and gastric carcinomas. Latent membrane protein 1 (LMP1) of Epstein-Barr virus (EBV) is a transforming protein that affects multiple cell signalling pathways and contributes to EBV-associated oncogenesis. LMP1 can be expressed in some states of EBV latency, and significant induction of full-length LMP1 is also observed frequently during virus reactivation into the lytic cycle. LMP1 is critical for EBV-infected cell activation, adhesion and survival, and is usually expressed in the malignant cells.
Host / Isotype:	Mouse / IgG1
Clone:	CS1/CS2/CS3/CS4
Immunogen:	Recombinant fusion protein of bacterial <i>beta</i> -galactosidase and EBV LMP-1. Spleen cells from immunised mice were fused with cells of the mouse X63-Ag8.653 myeloma cell line.
Format:	State: Liquid Tissue Culture Supernatant Preservatives: 15mM Sodium Azide
Applications:	Immunohistochemistry on Paraffin Sections: 1/100-1/200. Requires protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This Mouse anti Epstein-Barr Virus LMP antibody, Clone CS1/CS2/CS3/CS4 is a cocktail of 4 antibodies recognising different epitopes of Epstein Barr Virus Latent Membrane Protein (LMP). Mouse anti Epstein-Barr Virus LMP antibody, Clone CS1/CS2/CS3/CS4 stains EBV positive lymphoblastoid cell lines and EBV infected B cells in infectious mononucleosis.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: 1. Murray PG, Young LS, Rowe M, Crocker J. Immunohistochemical demonstration of the Epstein-Barr virus-encoded latent membrane protein in paraffin sections of Hodgkin's disease. J Pathol. 1992 Jan;166(1):1-5. PubMed PMID: 1311374.