

Product datasheet for **AM01315PU-N**

Epstein Barr Virus / EBV LMP2A Rat Monoclonal Antibody [Clone ID: 15F9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	15F9
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1/100-1/1000. Immunohistochemistry on Paraffin Sections: This product requires antigen retrieval using heat treatment methods prior to staining of paraffin sections. Sodium citrate buffer pH6.0 is recommended for this purpose.
Reactivity:	Epstein Barr Virus
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Bacterial TrpE-LMP2A fusion protein.
Specificity:	This antibody recognizes latent membrane protein 2A (LMP2A) of Epstein-Barr virus (EBV) and does not cross react with LMP2B.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

EBV is a human herpesvirus, which is associated with conditions such as Hodgkins disease and Burkitts Lymphoma and is the causative agent in mononucleosis in adolescents. EBV latently infects B lymphocytes. Infected B cells express EBV nuclear antigens and latent proteins LMP1, LMP2A and LMP2B. LMP2A forms aggregates in the plasma membranes of B lymphocytes, where it functions as a negative regulator of the Src and Syk protein tyrosine kinases. Studies show that LMP2A blocks B-cell receptor (BCR) signal transduction in EBV immortalized B cells in vitro and may play an important role in maintaining a latent EBV infection within the peripheral blood B cells of infected individuals.

Synonyms:

HHV4, HHV-4