



# Mouse Anti-EBV EA-D Monoclonal antibody, Clone A0262 (DMAB3325)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Monoclonal Antibody to Epstein-Barr Virus (EBV)
<b>Antigen Description</b>	The EBV Early Diffuse Antigen Diffuse EA-D or EBV DNA polymerase accessory protein, is an essential component of the viral DNA polymerase and is required for lytic EBV replication. In addition to its polymerase accessory protein function, it has recently been reported that Ea-D is a transcriptional activator, inducing expression of the essential oriLyt promoter, BHLF1.
<b>Specificity</b>	Specific for the "Early antigen-diffuse" (EA-D) 50-52 kD of EBV
<b>Target</b>	EBV
<b>Immunogen</b>	Recombinant EB early antigen-diffuse
<b>Isotype</b>	IgG2
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	EBV
<b>Clone</b>	A0262
<b>Affinity Constant</b>	Not determined
<b>Purification</b>	>90% pure. Protein A chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in IFA, Western blot, and IHC (weak, antigen retrieval required). Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

<b>Format</b>	Purified, Liquid
<b>Concentration</b>	100ug/ml (OD280nm, E0.1% = 1.3)
<b>Size</b>	1 mg
<b>Buffer</b>	0.01M PBS, pH 7.2. No stabilizing proteins have been added.
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Short-term (up to 6 months) store at 2-8°C. Long term, aliquot and store at –20°C. Avoid multiple freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	<p>The Epstein–Barrvirus (EBV), also called human herpesvirus 4 (HHV-4), is a virus of the herpes family, which includes herpes simplex virus 1 and 2, and is one of the most common viruses in humans. It is best known as the cause of infectious mononucleosis. It is also associated with particular forms of cancer, particularly Hodgkin's lymphoma, Burkitt's lymphoma, nasopharyngeal carcinoma, and central nervous system lymphomas associated with HIV. Finally, there is evidence that infection with the virus is associated with a higher risk of certain autoimmune diseases, especially dermatomyositis, systemic lupus erythematosus, rheumatoid arthritis, Sjögren's syndrome, and multiple sclerosis.</p>
<b>Keywords</b>	<p>BMRF1; DNA polymerase accessory protein; Early antigen protein D; EBV Ea D; EBV early antigen protein D; Epstein Barr virus Ea D; Epstein Barr virus early antigen diffuse Ea D; Epstein Barr virus early antigen protein D; HHV4 Ea D; HHV4 early antigen diffuse</p>