

## Product datasheet

### Anti-EBV LMP2A antibody [15F9] ab59028

#### 9 References

#### Overview

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<b>Product name</b>	Anti-EBV LMP2A antibody [15F9]
<b>Description</b>	Rat monoclonal [15F9] to EBV LMP2A
<b>Host species</b>	Rat
<b>Specificity</b>	ab59028 recognises LMP2A and does not cross react with LMP2B.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Epstein-Barr virus
<b>Immunogen</b>	Bacterial TrpE-LMP2A fusion protein
<b>Positive control</b>	Hodgkin's Disease
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.09% Sodium azide Constituent: PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	15F9
<b>Myeloma</b>	P3x63-Ag8.653
<b>Isotype</b>	IgG1

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab59028 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/100 - 1/1000.
IHC-P		Use at an assay dependent dilution.

## Target

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**Relevance** Epstein Barr virus (EBV) is a member of the herpesvirus family and one of the most common human viruses. Most people become infected with EBV during their lives. Primary infections usually results in infectious mononucleosis (glandular fever) but the virus can also lay dormant in B lymphocytes and when reactivated become associated with more serious disease such as Burkitt's lymphoma, nasopharyngeal carcinoma and Hodgkin's disease. 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.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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