**Product Details**

<table>
<thead>
<tr>
<th>RRID</th>
<th>AB_844569</th>
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**Applications**

<table>
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<tr>
<th>Method</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin (1)</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<td>1/100 - 1/1000</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

**Target Species**

Viral

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.09% Sodium Azide

**Carrier Free**

Yes

**Approx. Protein**

IgG concentration 1.0 mg/ml
Concentrations

Immunogen
Bacterial TrpE-LMP2A fusion protein.

Fusion Partners
Spleen cells from immunised Lou/c rats were fused with cells of the P3X63.Ag8.653 myeloma cell line.

Specificity
Rat anti Epstein-Barr Virus LMP2A antibody, clone 15F9 recognizes latent membrane protein 2A (LMP2A) of Epstein-Barr virus (EBV). EBV is a human herpesvirus, which is associated with conditions such as Hodgkin’s disease and Burkitt’s 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 \textit{in vitro} and may play an important role in maintaining a latent EBV infection within the peripheral blood B cells of infected individuals.

Rat anti Epstein-Barr Virus LMP2A antibody, clone 15F9 (MCA2467) specifically recognizes LMP2A and does not cross react with LMP2B.

References

Storage
Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee
18 months from date of despatch.

Health And Safety Information
Material Safety Datasheet documentation #10040 available at:

Regulatory
For research purposes only
Recommended Secondary Antibodies

- Rabbit Anti Rat IgG (STAR17...) FITC
- Goat Anti Rat IgG (STAR69...) FITC
- Goat Anti Rat IgG (STAR131...) Alk. Phos., Biotin
- Goat Anti Rat IgG (STAR73...) RPE
- Rabbit Anti Rat IgG (STAR21...) HRP
- Goat Anti Rat IgG (STAR72...) HRP
- Rabbit Anti Rat IgG (STAR16...) DyLight®800
- Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) DyLight®800