

Datasheet: OBT1676

**BATCH NUMBER 161686**

|                      |   |
|----------------------|---|
| <b>Description:</b>  | MOUSE ANTI ST. LOUIS ENCEPHALITIS VIRUS |
| <b>Specificity:</b>  | ST. LOUIS ENCEPHALITIS VIRUS            |
| <b>Format:</b>       | Purified                                |
| <b>Product Type:</b> | Monoclonal Antibody                     |
| <b>Clone:</b>        | 6b6c-1                                  |
| <b>Isotype:</b>      | IgG2a                                   |
| <b>Quantity:</b>     | 0.1 mg                                  |

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

|                    | Yes | No | Not Determined | Suggested Dilution |
|--------------------|-----|----|----------------|--------------------|
| ELISA              | ▪   |    |                |                    |
| Immunofluorescence | ▪   |    |                |                    |

Where this product 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 product for use in their own system using appropriate negative/positive controls.

|                                       |  |
|---------------------------------------|--|
| <b>Target Species</b>                 | Viral  |
| <b>Product Form</b>                   | Purified IgG - liquid  |
| <b>Buffer Solution</b>                | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b>       | 0.1% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml  |
| <b>Immunogen</b>                      | Purified SLE strain MSI-7.   |
| <b>RRID</b>                           | AB_618977  |
| <b>Fusion Partners</b>                | Spleen cells from immunised mice were fused with cells of the SP2/0 Ag 14 myeloma cell |

line

---

**Specificity** **Mouse anti St. Louis Encephalitis Virus antibody, clone 6b6c-1** recognizes the Saint Louis Encephalitis virus strain (MSI-7) envelope glycoprotein. SLE is a flavivirus producing severe encephalitis in humans. The viral envelope contains a single glycoprotein serving as a major structural component of the virion spike.

Clone 6b6c-1 also reacts with other members of *Flaviviridae* including Japanese Encephalitis (Nakayama), West Nile (EG101), Murray Valley Encephalitis (Original), Yellow Fever (17D), Dengue 1 (Hawaii), Dengue 2 (New Guinea C), Dengue 3 (H87) and Dengue 4 (H241).

---

**References**

1. Roehrig, J.T. *et al.* (1983) Identification of epitopes on the E glycoprotein of Saint Louis encephalitis virus using monoclonal antibodies. [Virology. 128 \(1\): 118-26.](#)
2. Vorndam, V. *et al.* (1993) Molecular and biological characterization of a non-glycosylated isolate of St Louis encephalitis virus. [J Gen Virol. 74 \( Pt 12\): 2653-60.](#)
3. Mathews, J.H. & Roehrig, J.T. (1984) Elucidation of the topography and determination of the protective epitopes on the E glycoprotein of Saint Louis encephalitis virus by passive transfer with monoclonal antibodies. [J Immunol. 132 \(3\): 1533-7.](#)

---

**Storage** This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

---

**Guarantee** 12 months from date of despatch

---

**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/OBT1676>  
10040

---

**Regulatory** For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
| <b>North &amp; South America</b> | Tel: +1 800 265 7376<br>Fax: +1 919 878 3751<br>Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a> | <b>Worldwide</b> | Tel: +44 (0)1865 852 700<br>Fax: +44 (0)1865 852 739<br>Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a> | <b>Europe</b> | Tel: +49 (0) 89 8090 95 21<br>Fax: +49 (0) 89 8090 95 50<br>Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a> |
|----------------------------------|---|------------------|---|---------------|---|

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M381983:210512'

**Printed on 19 Jan 2024**

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)