



## Data Sheet (DS) 7TM0272C

Issuing Date: 2025-10-24

|              |                                                                |
|--------------|----------------------------------------------------------------|
| Description  | pT351-LPA1 (phospho-Lysophosphatidic Acid Receptor 1 Antibody) |
| Format       | Purified, Liquid                                               |
| Product Type | Rabbit Polyclonal Antibody                                     |
| Isotype      | Polyclonal IgG                                                 |
| Quantity     | 100 µl                                                         |

## Product Details

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Applications          | This product has been reported to work in the following applications:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Dilution |
|                       | Western Blot                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1:1000   |
|                       | This information is derived from testing within our laboratories and peer-reviewed publications. Please refer to references indicated for further information. For general protocol recommendations, please visit <a href="https://7tmantibodies.com/7tm-antibodies-support/7tm-protocols/">https://7tmantibodies.com/7tm-antibodies-support/7tm-protocols/</a> . 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. |          |
| Target Species        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |
| Product Form          | Purified IgG, liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          |
| Antiserum Preparation | Antiserum to Lysophosphatidic Acid Receptor 1 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.                                                                                                                                                                                                                                                                                                                                                       |          |
| Immunogen             | A synthetic phosphopeptide derived from human LPA1 around the phosphorylation site of Thr351.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |          |
| Storage Buffer        | Dulbecco's PBS, pH 7.4, with 150 mM NaCl, 0.02% sodium azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |
| Specificity           | Threonine351 (T351) is major phosphorylation site of the Lysophosphatidic Acid Receptor 1 (LPA1). The pT351-LPA1 antibody detects phosphorylation in response to agonists. T351 phosphorylation is likely to be involved in efficient ligand sequestration by LPA.                                                                                                                                                                                                                                                                                      |          |
| Guarantee             | 12 months from date of dispatch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |
| Storage               | Store at -20°C.<br>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.                                                                                                                                                                                                                                                                                                                                                                                                                      |          |
| Regulatory            | For research purposes only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |

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| Health and Safety Information | Material Safety Data Sheet documentation is available at <a href="https://7tmantibodies.com/detail/index/sArticle/620">https://7tmantibodies.com/detail/index/sArticle/620</a> in the downloads section as:<br><a href="#">Safety Data Sheet EU</a><br><a href="#">Safety Data Sheet US</a> |
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### **Related Products**

[pT338/pS341-LPA1 \(phospho-Lysophosphatidic Acid Receptor 1 Antibody\)](#)

[pS344/pS346/pS347-LPA1 \(phospho-Lysophosphatidic Acid Receptor 1 Antibody\)](#)

### **Details of the Supplier of the Data Sheet**

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