

## Datasheet: MCA5744G

|                      |                                 |
|----------------------|---------------------------------|
| <b>Description:</b>  | MOUSE ANTI 2-PROPYLVALERIC ACID |
| <b>Specificity:</b>  | 2-PROPYLVALERIC ACID            |
| <b>Other names:</b>  | VALPROIC ACID                   |
| <b>Format:</b>       | Purified                        |
| <b>Product Type:</b> | Monoclonal Antibody             |
| <b>Clone:</b>        | VA1                             |
| <b>Isotype:</b>      | IgG1                            |
| <b>Quantity:</b>     | 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       | ■   |    |                |                    |
| Immunoassay | ■   |    |                |                    |

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>                 | Chemical                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Product Form</b>                   | Purified IgG - liquid                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein A from ascites                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>                      | Valproic Acid conjugated to TBG                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Specificity</b>                    | <b>Mouse anti 2-propylvaleric acid antibody, clone VA1</b> recognizes 2-propylvaleric acid, also known as Valproic acid, an analogue of valeric acid. It is used clinically as an anticonvulsant and mood-stabilising drug. It may be used to treat epilepsy, bipolar disorder, migraine headaches and schizophrenia. It is also under investigation for treatment of HIV and cancers. Potential side effects include weight gain and dyspepsia. |

|                                      |                                                                                                                                                                                                                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Intended Use</b>                  | Bio-Rad recommends that the user determines this product's suitability for any particular application.                                                                                                                                                                                                  |
| <b>Storage</b>                       | Store at +4°C or at -20°C if preferred.<br>Storage in frost-free freezers is not recommended.<br>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. |
| <b>Shelf Life</b>                    | 18 months from date of despatch.                                                                                                                                                                                                                                                                        |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at:<br>10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>                                                                                                |
| <b>Regulatory</b>                    | For research purposes only                                                                                                                                                                                                                                                                              |

## Related Products

### Recommended Secondary Antibodies

|                                         |                                                                                                                                                                                                                                     |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>                                                                                                                                                                                    |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>                                                                                                                                                                                                                |
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>                                                                                                                                                                                                                 |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>                                                                                                                                                                                          |
| Rabbit Anti Mouse IgG (STAR8...)        | <a href="#">DyLight®800</a>                                                                                                                                                                                                         |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>                                                                                                                                                                                                                |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>                                                                                                                                                                                                                 |
| Human Anti Mouse IgG1 (HCA036...)       | <a href="#">HRP</a>                                                                                                                                                                                                                 |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®549</a> ,<br><a href="#">DyLight®649</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |

|                                  |                                                                                                                                         |                  |                                                                                                                                                 |               |                                                                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <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> |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

'M317213:180619'

Printed on 20 Jun 2018