

## Datasheet: MCA6002

**BATCH NUMBER 151389**

|                      |                      |
|----------------------|----------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN CD4 |
| <b>Specificity:</b>  | CD4                  |
| <b>Format:</b>       | S/N                  |
| <b>Product Type:</b> | Monoclonal Antibody  |
| <b>Clone:</b>        | 4B12                 |
| <b>Isotype:</b>      | IgG1                 |
| <b>Quantity:</b>     | 1 ml                 |

## 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 |
|--------------------------------|-----|----|----------------|--------------------|
| Immunohistology - Paraffin (1) | ▪   |    |                | 1/100              |

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.

**(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. The recommended fixative is 10% neutral buffered saline.**

|                                 |  |
|---------------------------------|--|
| <b>Target Species</b>           | Human  |
| <b>Product Form</b>             | Tissue Culture Supernatant - liquid  |
| <b>Buffer Solution</b>          | Phosphate buffered saline  |
| <b>Preservative Stabilisers</b> | 0.1% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Immunogen</b>                | Prokaryotic recombinant protein corresponding to the external domain of the CD4 molecule |

### External Database Links

**UniProt:**

[P01730](#)

[Related reagents](#)

**Entrez Gene:**[920](#) CD4 [Related reagents](#)

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|--------------------------------------|--|
| <b>Specificity</b>                   | <b>Mouse anti Human CD4 antibody, clone 4B12</b> recognizes the human CD4 cell surface antigen, expressed by the helper-inducer subset of T lymphocytes and also by monocytes.                           |
| <b>References</b>                    | 1. Weber, B. <i>et al.</i> (2016) Distinct interferon-gamma and interleukin-9 expression in cutaneous and oral lichen planus. <a href="#">J Eur Acad Dermatol Venereol. Oct 1. [Epub ahead of print]</a> |
| <b>Storage</b>                       | Store at +4°C. DO NOT FREEZE.<br>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.   |
| <b>Guarantee</b>                     | 12 months from date of despatch  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6002">https://www.bio-rad-antibodies.com/SDS/MCA6002</a><br>10040                        |
| <b>Regulatory</b>                    | For research purposes only   |

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## Related Products

### Recommended Secondary Antibodies

|   |   |
|---|---|
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>   |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>   |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a>  |
| Goat Anti Mouse IgG (STAR76...)         | <a href="#">RPE</a>   |
| Goat Anti Mouse IgG (Fc) (STAR120...)   | <a href="#">FITC</a> , <a href="#">HRP</a>  |
| Rabbit Anti Mouse IgG (STAR13...)       | <a href="#">HRP</a>   |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>  |
| Goat Anti Mouse IgG (H/L) (STAR117...)  | <a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> ,<br><a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> ,<br><a href="#">FITC</a> , <a href="#">HRP</a> |
| Rabbit Anti Mouse IgG (STAR9...)        | <a href="#">FITC</a>  |

**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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