

## Datasheet: MCA6249B

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| <b>Description:</b>  | MOUSE ANTI HUMAN INTERLEUKIN-25:Biotin |
| <b>Specificity:</b>  | IL-25                                  |
| <b>Format:</b>       | Biotin                                 |
| <b>Product Type:</b> | Monoclonal Antibody                    |
| <b>Clone:</b>        | A14-3D2                                |
| <b>Isotype:</b>      | IgG1                                   |
| <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 | ▪   |    |                | 1.0 ug/ml          |

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.

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| <b>Target Species</b>                     | Human   |
| <b>Product Form</b>                       | Purified IgG conjugated to Biotin - liquid  |
| <b>Preparation</b>                        | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant |
| <b>Buffer Solution</b>                    | Phosphate buffered saline   |
| <b>Preservative<br/>Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )<br>1% Bovine Serum Albumin                             |
| <b>Approx. Protein<br/>Concentrations</b> | IgG concentration 0.1 mg/ml   |
| <b>Immunogen</b>                          | <i>E. coli</i> derived recombinant human full length interleukin-25 (Tyr33-Gly177)            |
| <b>External Database<br/>Links</b>        | <b>UniProt:</b>   |

[Q9H293](#)   [Related reagents](#)

**Entrez Gene:**

[64806](#)   IL25   [Related reagents](#)

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|                 |       |
|-----------------|-------|
| <b>Synonyms</b> | IL17E |
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| <b>Fusion Partners</b> | Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0 |
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| <b>Specificity</b> | <p><b>Mouse anti Human interleukin-25, clone A14-3D2</b>, recognizes interleukin-25 (IL-25) also known as IL17E. IL-25 is a member of the IL-17 family of cytokines and is expressed by various immune cells including mast cells, eosinophils, basophils and T helper type 2 cells. It is also expressed in non-hematopoietic cells such as epithelial and endothelial cells (<a href="#">Yao et al. 2016</a>). As a pleiotropic cytokine, it stimulates stromal, innate immune and adaptive immune cells to regulate Th2 type inflammation (<a href="#">Monin &amp; Gaffen 2018</a>). IL-25 exerts its biological function through its receptor IL-17RB, although there is some evidence that it may also bind to the receptor IL-17RA (<a href="#">Yao et al. 2016</a>). Through this interaction, IL-25 is able to induce expression of IL-4, IL-5, IL-13 and TSLP (<a href="#">McGeachy et al. 2019</a>).</p> <p>IL-25 is upregulated in asthmatic conditions and can induce typical eosinophil inflammation and airway hyperresponsiveness (<a href="#">Yao et al. 2016</a>). IL-25 levels are also associated with the severity of chronic allergic reactions (<a href="#">Monin &amp; Gaffen 2018</a>).</p> <p>The biotinylated Mouse anti Human interleukin-25 antibody, clone A14 -3D2 (MCA6249B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human interleukin-25 antibody, clone A09 -3D10 (<a href="#">MCA6248GA</a>) as the capture antibody.</p> |
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| <b>Storage</b> | <p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p> |
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| <b>Guarantee</b> | 12 months from date of despatch |
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| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a> |
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| <b>Regulatory</b> | For research purposes only |
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## Related Products

### Recommended Useful Reagents

[MOUSE ANTI HUMAN INTERLEUKIN-25 \(MCA6248GA\)](#)

[RECOMBINANT HUMAN INTERLEUKIN-25 \(PHP300\)](#)

## ELISA Matched Pair - Capture Antibody

MOUSE ANTI HUMAN INTERLEUKIN-25 (MCA6248GA)

## ELISA Antigen - Positive Control

RECOMBINANT HUMAN INTERLEUKIN-25 (PHP300)

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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)

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