

Datasheet: MCA6249B

BATCH NUMBER 100005147

| | |
|----------------------|--|
| Description: | MOUSE ANTI HUMAN INTERLEUKIN-25:Biotin |
| Specificity: | IL-25 |
| Format: | Biotin |
| Product Type: | Monoclonal Antibody |
| Clone: | A14-3D2 |
| Isotype: | IgG1 |
| Quantity: | 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.

| | 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.

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

**External Database
Links**

UniProt:

[Q9H293](#) [Related reagents](#)

Entrez Gene:

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

Synonyms

IL17E

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

Specificity

Mouse anti Human interleukin-25, clone A14-3D2, 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 ([Yao et al. 2016](#)). As a pleiotropic cytokine, it stimulates stromal, innate immune and adaptive immune cells to regulate Th2 type inflammation ([Monin & Gaffen 2018](#)). 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 ([Yao et al. 2016](#)). Through this interaction, IL-25 is able to induce expression of IL-4, IL-5, IL-13 and TSLP ([McGeachy et al. 2019](#)).

IL-25 is upregulated in asthmatic conditions and can induce typical eosinophil inflammation and airway hyperresponsiveness ([Yao et al. 2016](#)). IL-25 levels are also associated with the severity of chronic allergic reactions ([Monin & Gaffen 2018](#)).

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 ([MCA6248GA](#)) as the capture antibody.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

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.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6249B>
10041

Regulatory

For research purposes only

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 \(PHP300\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: 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

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: 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
'M380416:210511'

Printed on 16 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)