

Datasheet: MCA6249B

**BATCH NUMBER 100005147**

<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.

<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</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	1% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgG concentration 0.1 mg/ml
<b>Immunogen</b>	<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](#)

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**Synonyms**

IL17E

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**Fusion Partners**

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

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**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.

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

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

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**Regulatory**

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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