

Datasheet: MCA6248GA

Description:	MOUSE ANTI HUMAN INTERLEUKIN-25
Specificity:	IL-25
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	A09-3D10
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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 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 A09-3D10, 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 purified Mouse anti Human interleukin-25 antibody, clone A09 -3D10 (MCA6248GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human interleukin-25 antibody, clone A14 -3D2 ([MCA6249B](#)) as the detection antibody.

Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6248GA>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®680 , DyLight®800 , FITC , HRP
Goat Anti Mouse IgG (STAR70...)	FITC

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

Recommended Useful Reagents

[MOUSE ANTI HUMAN INTERLEUKIN-25:Biotin \(MCA6249B\)](#)

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

ELISA Matched Pair - Detection Antibody

[MOUSE ANTI HUMAN INTERLEUKIN-25:Biotin \(MCA6249B\)](#)

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

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