

Datasheet: MCA6425GA

Description:	MOUSE ANTI HUMAN INTERLEUKIN-17A
Specificity:	IL-17A
Other names:	CTLA-8
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	A01-3G2
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	■			

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 interleukin-17A (Gly24-Ala155)
External Database Links	<p>UniProt: Q16552 Related reagents</p> <p>Entrez Gene: 3605 IL17A Related reagents</p>
Synonyms	CTLA8, IL17
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	<p>Mouse anti Human interleukin-17A, clone A01-3G2, recognizes interleukin-17A (IL-17A) also known as cytotoxic T-lymphocyte-associated antigen 8 (CTLA-8).</p> <p>The IL-17 family consists of six proteins (IL-17A to IL-17F) which function as pro-inflammatory cytokines important in the defense against pathogens (Gurczynski & Moore 2017). This antibody recognizes IL-17A, the most studied member of the IL-17 family. IL-17A is expressed by various cell types including CD4⁺ and CD8⁺ T helper cells, neutrophil, natural killer, mast and B cells (Chen & Kolls 2017). It elicits its responses via the IL-17 receptor, IL-17RA. Activation of this receptor leads to the activation of NF-κB and mitogen-activated protein kinase to then drive the transcriptional activation of target genes which play key roles in inflammation. IL-17A can also signal to stabilize mRNA transcripts, again to enhance the production of genes including those encoding cytokines, chemokines, antimicrobial peptides and other inflammatory effectors. (Monin & Gaffen 2018). Uncontrolled IL-17A signaling is associated with immunopathology, autoimmune diseases, and cancer, and blocking activity of IL-17A can be beneficial in some clinical settings (Amatya et al. 2017).</p> <p>The purified Mouse anti Human interleukin-17A antibody, clone A01-3G2 (MCA6425GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human interleukin-17A antibody, clone F01.1-5D10 (MCA6243B) as the detection antibody.</p>
Storage	<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>
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/MCA6425GA 10040

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC

Recommended Negative Controls

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

ELISA Matched Pair - Detection Antibody

[MOUSE ANTI HUMAN INTERLEUKIN-17A:Biotin \(MCA6243B\)](#)

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

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