

Datasheet: MCA6425GA

BATCH NUMBER 100007874

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 \(MCA6243B\)](#)

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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
'M419151:230602'

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