

## Datasheet: MCA6425GA

**BATCH NUMBER 100007874**

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

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 - 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 Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml

<b>Immunogen</b>	<i>E. coli</i> derived recombinant human interleukin-17A (Gly24-Ala155)
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q16552</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3605</a>    IL17A    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	CTLA8, IL17
<b>Fusion Partners</b>	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
<b>Specificity</b>	<p><b>Mouse anti Human interleukin-17A, clone A01-3G2</b>, 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 (<a href="#">Gurczynski &amp; Moore 2017</a>). This antibody recognizes IL-17A, the most studied member of the IL-17 family. IL-17A is expressed by various cell types including CD4<sup>+</sup> and CD8<sup>+</sup> T helper cells, neutrophil, natural killer, mast and B cells (<a href="#">Chen &amp; Kolls 2017</a>). 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. (<a href="#">Monin &amp; Gaffen 2018</a>). 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 (<a href="#">Amatya et al. 2017</a>).</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 (<a href="#">MCA6243B</a>) as the detection antibody.</p>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA6425GA">https://www.bio-rad-antibodies.com/SDS/MCA6425GA</a> 10040

## Related Products

### Recommended Secondary Antibodies

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

### 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](https://bio-rad-antibodies.com/datasheets)

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