

## Datasheet: MCA6206GA

|                      |                                    |
|----------------------|------------------------------------|
| <b>Description:</b>  | MOUSE ANTI HUMAN INTERLEUKIN-17A/F |
| <b>Specificity:</b>  | IL-17A/F                           |
| <b>Format:</b>       | Purified                           |
| <b>Product Type:</b> | Monoclonal Antibody                |
| <b>Clone:</b>        | D01-1C2                            |
| <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 - 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 full length interleukin-17A/F (Gly24-Ala155)         |

**External Database  
Links**

**UniProt:**

[Q16552](#)    [Related reagents](#)  
[Q96PD4](#)    [Related reagents](#)

**Entrez Gene:**

[3605](#)    IL17A    [Related reagents](#)  
[112744](#)    IL17F    [Related reagents](#)

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**Synonyms**

CTLA8, IL17, IL24

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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-17A/F antibody, clone D01-1C2**, recognizes interleukin-17 A and F. The IL-17 family consists of six proteins (IL-17A to IL-17F) which function as proinflammatory cytokines, important for defence against pathogens ([Gurczynski and Moore, 2017](#)). Accordingly, IL-17-producing CD4<sup>+</sup> T helper cells, also called Th17 cells, play important roles in immune defense. Uncontrolled IL-17 signaling is associated with immunopathology, autoimmune diseases, and cancer, and blocking activity of IL-17 can be beneficial in some clinical settings ([Amatya et al. 2017](#)). This antibody recognizes IL-17A, the most studied member of the IL-17 family, and its closest relative IL-17F ([Chen and Kolls 2017](#)). These two proteins have similar structure and inflammatory function, but unique functions of IL-17F in the immune system have also been indicated ([Chang and Dong, 2009](#)).

The purified Mouse anti Human interleukin-17A/F antibody, clone D01-1C2 (MCA6206GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human interleukin-17A/F antibody, clone I07-5E4 ([MCA6207B](#)) as the detection 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 #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## 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](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®680](#),  
[DyLight®800](#), [FITC](#), [HRP](#)  
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](#)

### **Recommended Negative Controls**

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

### **Recommended Useful Reagents**

[MOUSE ANTI HUMAN INTERLEUKIN-17A/F:Biotin \(MCA6207B\)](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
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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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