

Datasheet: MCA6204GA

**BATCH NUMBER 100006916**

<b>Description:</b>	MOUSE ANTI HUMAN INTERLEUKIN-11
<b>Specificity:</b>	IL-11
<b>Other names:</b>	AGIF
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	D08-4C12
<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

**Immunogen** *E. coli* derived recombinant human full length interleukin-11 (Pro22-Leu199)

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**External Database**

**Links**

**UniProt:**

[P20809](#) [Related reagents](#)

**Entrez Gene:**

[3589](#) IL11 [Related reagents](#)

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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-11 antibody, clone D08-4C12**, recognizes interleukin-11 (IL-11), also known as AGIF. IL-11 belongs to the IL-6 family of cytokines, and plays a protective role in acute inflammatory settings ([Traber et al. 2019](#)). IL-11 has both pro- and anti-inflammatory functions through activation of signaling cascades ([Lokau et al. 2017](#)). IL-11 is largely absent in the body fluids of healthy people, but is upregulated in a series of diseases. IL-11 can be expressed in fibroblasts, and its inhibition has been suggested as a treatment for fibrotic disease ([Schafer et al. 2017](#)), including fibrotic cardiovascular diseases ([Ye et al. 2019](#)). A role of IL-11 has also been identified in development of inflammation-associated cancers, and its inhibition may be a therapeutic goal ([Putoczki et al. 2013](#)).

The purified Mouse anti Human interleukin-11 antibody, clone D08-4C12 (MCA6204GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Human interleukin-11 antibody, clone C16-4B8 ([MCA6205B](#)) as the detection antibody.

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**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.

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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: <https://www.bio-rad-antibodies.com/SDS/MCA6204GA>  
10040

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR8...)	<a href="#">DyLight®800</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>

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-11:Biotin \(MCA6205B\)](#)  
[RECOMBINANT HUMAN INTERLEUKIN-11 \(PHP303\)](#)

### **ELISA Matched Pair - Detection Antibody**

[MOUSE ANTI HUMAN INTERLEUKIN-11:Biotin \(MCA6205B\)](#)

### **ELISA Antigen - Positive Control**

[RECOMBINANT HUMAN INTERLEUKIN-11 \(PHP303\)](#)

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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)  
'M384337:210513'

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