

Datasheet: MCA6204GA

BATCH NUMBER 100006916

Description:	MOUSE ANTI HUMAN INTERLEUKIN-11
Specificity:	IL-11
Other names:	AGIF
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	D08-4C12
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	▪			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.

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

External Database

Links

UniProt:

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

Entrez Gene:

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

Fusion Partners

Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0

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.

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.

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/MCA6204GA>
10040

Regulatory

For research purposes only

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

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 \(PHP303\)](#)

North & South America	Tel: +1 800 265 7376 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
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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
'M384337:210513'

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