

Datasheet: MCA6204GA

BATCH NUMBER 64713049

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	<i>E. coli</i> derived recombinant human full length interleukin-11 (Pro22-Leu199)
External Database Links	<p>UniProt: P20809 Related reagents</p> <p>Entrez Gene: 3589 IL11 Related reagents</p>
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	<p>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).</p> <p>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.</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/MCA6204GA
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 \(PHP303\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
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