

Datasheet: MCA6205B

Description:	MOUSE ANTI HUMAN INTERLEUKIN-11:Biotin
Specificity:	IL-11
Other names:	AGIF
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	C16-4B8
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 conjugated to Biotin - 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) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	<i>E. coli</i> 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
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Specificity	<p>Mouse anti Human interleukin-11 antibody, clone C16-4B8, 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>
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The biotinylated Mouse anti Human interleukin-11 antibody, clone C16-4B8 (MCA6205B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human interleukin-11 antibody, clone D08-4C12 ([MCA6204GA](#)) as the capture 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.
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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
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6205B 10041
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

[MOUSE ANTI HUMAN INTERLEUKIN-11 \(MCA6204GA\)](#)

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

ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HUMAN INTERLEUKIN-11 \(MCA6204GA\)](#)

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

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