

Datasheet: MCA6205B

BATCH NUMBER 10005094

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

Specificity **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](#)).

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 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.

Guarantee 12 months from date of despatch

**Health And Safety
Information** Material Safety Datasheet documentation #10041 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6205B>
10041

Regulatory For research purposes only

Related Products

Recommended Useful Reagents

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

[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://www.bio-rad-antibodies.com/datasheets)

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