

Datasheet: MCA2094B

Description:	MOUSE ANTI PIG INTERLEUKIN-18:Biotin
Specificity:	IL-18
Other names:	IGIF
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	5-C-5
Isotype:	IgG1
Quantity:	0.25 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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive control.

Target Species	Pig
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
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

**External Database
Links**

UniProt:

[O19073](#) [Related reagents](#)

Entrez Gene:

[397057](#) IL18 [Related reagents](#)

Synonyms

IGIF

RRID

AB_2123662

Specificity

Mouse anti Pig Interleukin-18 antibody, clone 5-C-5 recognizes natural and recombinant porcine IL-18. Mouse anti Pig Interleukin-18 antibody, clone 5-C-5 does not recognize porcine IL-1beta, IL-8, IL-12 or IFNgamma, nor does it cross react with human or murine IL-18.

ELISA

This reagent may be used as a detection reagent in a sandwich ELISA assays in combination with [MCA2093](#) as capture reagent.

References

1. Muneta, Y. *et al.* (2000) Detection of porcine interleukin-18 by sandwich ELISA and immunohistochemical staining using its monoclonal antibodies. [J Interferon Cytokine Res. 20 \(3\): 331-6.](#)
2. Lee, B.M. *et al.* (2011) Enhanced protection against infection with transmissible gastroenteritis virus in piglets by oral co-administration of live attenuated *Salmonella enterica* serovar Typhimurium expressing swine interferon- α and interleukin-18. [Comp Immunol Microbiol Infect Dis. 34 \(4\): 369-80.](#)

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:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

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

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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