

Datasheet: MCA2094B

**BATCH NUMBER 159968**

<b>Description:</b>	MOUSE ANTI PIG INTERLEUKIN-18:Biotin
<b>Specificity:</b>	IL-18
<b>Other names:</b>	IGIF
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	5-C-5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Pig
<b>Product Form</b>	Purified IgG conjugated to Biotin - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein</b>	IgG concentration 1.0 mg/ml

## Concentrations

### 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- $\alpha$  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: <https://www.bio-rad-antibodies.com/SDS/MCA2094B>  
10040

#### Regulatory

For research purposes only

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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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