

Datasheet: MCA1935Z

Description:	MOUSE ANTI PIG INTERFERON ALPHA 1:Preservative Free
Specificity:	IFN ALPHA 1
Other names:	INTERFERON ALPHA
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	G16
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	■			
Immunoprecipitation			■	
Western Blotting	■			
Functional Assays	■			

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 controls.

Target Species	Pig
Species Cross Reactivity	Reacts with: Human Does not react with: Sheep N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml

Immunogen	Recombinant full-length porcine IFN alpha 1
External Database Links	UniProt: P49879 Related reagents Entrez Gene: 397686 IFNA1 Related reagents
Fusion Partners	Spleen cells from immunised BALB/c mouse were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity	Mouse anti Pig interferon alpha 1 antibody, clone G16 recognizes porcine interferon alpha 1, a 189 amino acid ~22 kDa type 1 interferon family member produced by leukocytes and fibroblasts.
References	1. L'Haridon, R.M., <i>et al.</i> (1991) Production of an hybridoma library to recombinant porcine alpha I interferon: a very sensitive assay (ISBBA) allows the detection of a large number of clones. Hybridoma 10: 35-47. 2. Amadori, M. <i>et al.</i> (2010) Constitutive expression of interferons in swine leukocytes. Res Vet Sci. 88 (1): 64-71. 3. Wang N <i>et al.</i> (2015) Prokaryotic-expressed porcine IFNα1-THYα1 fusion proteins exert IFN and THY activities <i>in vitro</i>. Biologicals. 43 (4): 225-31. 4. Lee, B.M. <i>et al.</i> (2011) Enhanced protection against infection with transmissible gastroenteritis virus in piglets by oral co-administration of live attenuated <i>Salmonella enterica</i> serovar <i>Typhimurium</i> expressing swine interferon-α and interleukin-18. Comp Immunol Microbiol Infect Dis. 34 (4): 369-80.
Storage	Store at -20°C only This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet Documentation #10162 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR76...)	RPE

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
 Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
 Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
 Human Anti Mouse IgG1 (HCA036...) [HRP](#)
 Goat Anti Mouse IgG (STAR70...) [FITC](#)
 Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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