

Datasheet: MCA2689GA

Description:	MOUSE ANTI BOVINE INTERFERON GAMMA
Specificity:	IFN GAMMA
Other names:	INTERFERON GAMMA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	5D10
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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	
ELISpot	▪			

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Bovine
Product Form	Purified IgG - 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)

Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified recombinant bovine IFN gamma expressed in <i>E.coli</i> .
External Database Links	<p>UniProt: P07353 Related reagents</p> <p>Entrez Gene: 281237 IFNG Related reagents</p>
RRID	AB_931794
Fusion Partners	Spleen cells from immunized Balb/c mice were fused with cells of the Sp20/Ag-14 myeloma cell line.
Specificity	<p>Mouse anti Bovine interferon gamma antibody, clone 5D10, recognizes IFNγ, a 19.3 kDa protein belonging to the type II interferon family .</p> <p>Bovine IFNγ is produced by activated lymphocytes, has anti-viral and immunoregulatory properties and is an activator of macrophages. Clone 5D10 is one of a range of bovine IFNγ reagents available from Bio-Rad which include the monoclonal antibody clones CC330 (MCA2112), CC302 (MCA1783) and 7B6 (MCA1964) along with recombinant bovine IFNγ and bovine IFNγ ELISA kits.</p> <p>Mouse anti Bovine interferon gamma antibody, clone 5D10 is suitable for ELISA and ELISpot, for intracellular identification of bovine IFNγ and may be used in conjunction with clone CC302 (clone CC302 is available in a range of direct conjugates) as a detection reagent.</p>
ELISA	This product may be used in an indirect ELISA or as a capture antibody in a sandwich ELISA together with MCA1783B as the detection reagent. PBP007A may be used as a standard.
References	<ol style="list-style-type: none"> 1. Weynants, V. <i>et al.</i> (1998) Quantitative assessment by flow cytometry of T-lymphocytes producing antigen-specific gamma-interferon in <i>Brucella</i> immune cattle. Vet Immunol Immunopathol. 66 (3-4): 309-20. 2. Walravens, K. <i>et al.</i> (2002) Analysis of the antigen-specific IFN-gamma producing T-cell subsets in cattle experimentally infected with <i>Mycobacterium bovis</i>. Vet Immunol Immunopathol. 84 (1-2): 29-41. 3. Kennedy, H.E. <i>et al.</i> (2002) Modulation of immune responses to <i>Mycobacterium bovis</i> in cattle depleted of WC1(+) gamma delta T cells. Infect Immun. 70 (3): 1488-500.
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
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2689GA 10040
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG (STAR77...)	HRP

Recommended Negative Controls

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

Recommended Useful Reagents

[MOUSE ANTI BOVINE INTERFERON GAMMA:Biotin \(MCA1783B\)](#)
[MOUSE ANTI BOVINE INTERFERON GAMMA:Alexa Fluor@ 488 \(MCA1783A488\)](#)
[MOUSE ANTI BOVINE INTERFERON GAMMA:Alexa Fluor@647 \(MCA1783A647\)](#)
[MOUSE ANTI BOVINE INTERFERON GAMMA:FITC \(MCA1783F\)](#)
[MOUSE ANTI BOVINE INTERFERON GAMMA:RPE \(MCA1783PE\)](#)
[MOUSE ANTI BOVINE INTERFERON GAMMA \(MCA1964\)](#)
[MOUSE ANTI BOVINE INTERFERON GAMMA \(MCA2112\)](#)
[BOVINE INTERFERON GAMMA ELISA KIT \(MCA5638KZZ\)](#)

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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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