

# Datasheet: MCA2689GA

**BATCH NUMBER 1212**

<b>Description:</b>	MOUSE ANTI BOVINE INTERFERON GAMMA
<b>Specificity:</b>	IFN GAMMA
<b>Other names:</b>	INTERFERON GAMMA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	5D10
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Bovine
<b>Product Form</b>	Purified IgG - 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</b>	0.09% Sodium Azide (NaN <sub>3</sub> )

## Stabilisers

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Carrier Free	Yes
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Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
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Immunogen	Purified recombinant bovine IFN gamma expressed in <i>E.coli</i> .
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## External Database Links

### UniProt:

[P07353](#)

[Related reagents](#)

### Entrez Gene:

[281237](#)

IFNG

[Related reagents](#)

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RRID	AB_931794
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Fusion Partners	Spleen cells from immunised Balb/c mice were fused with cells of the Sp20/Ag-14 myeloma cell line.
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Specificity	<b>Mouse anti Bovine interferon gamma antibody, clone 5D10</b> , recognises IFN $\gamma$ , a 19.3 kDa protein belonging to the type II interferon family .
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Bovine IFN $\gamma$  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 IFN $\gamma$  reagents available from Bio-Rad which include the monoclonal antibody clones CC330 ([MCA2112](#)), CC302 ([MCA1783](#)) and 7B6 ([MCA1964](#)) along with recombinant bovine IFN $\gamma$  and bovine IFN $\gamma$  ELISA kits.

Mouse anti Bovine interferon gamma antibody, clone 5D10 is suitable for ELISA and ELISpot, for intracellular identification of bovine IFN $\gamma$  and may be used in conjunction with clone CC302 (clone CC302 is available in a range of direct conjugates) as a detection reagent.

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ELISA	This product may be used in an indirect ELISA or as a capture antibody in a sandwich ELISA together with <a href="#">MCA1783B</a> as the detection reagent. <a href="#">PBP007A</a> may be used as a standard.
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## References

1. Walravens, K. *et al.* (2002) Analysis of the antigen-specific IFN-gamma producing T-cell subsets in cattle experimentally infected with *Mycobacterium bovis*. [Vet Immunol Immunopathol. 84 \(1-2\): 29-41.](#)
2. Lemaire, M. *et al.* (2000) Effects of bovine herpesvirus type 1 infection in calves with maternal antibodies on immune response and virus latency. [J Clin Microbiol. 38 \(5\): 1885-94.](#)
3. Kennedy, H.E. *et al.* (2002) Modulation of immune responses to *Mycobacterium bovis* in cattle depleted of WC1(+) gamma delta T cells. [Infect Immun. 70 \(3\): 1488-500.](#)
4. Weynants, V. *et al.* (1998) Quantitative assessment by flow cytometry of T-lymphocytes producing antigen-specific gamma-interferon in *Brucella* immune cattle. [Vet Immunol](#)

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<b>Storage</b>	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.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2689GA">https://www.bio-rad-antibodies.com/SDS/MCA2689GA</a> 10040
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)	<a href="#">RPE</a>
Goat Anti Mouse IgG IgA IgM (STAR87...)	<a href="#">Alk. Phos.</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR76...)	<a href="#">RPE</a>
Rabbit Anti Mouse IgG (STAR13...)	<a href="#">HRP</a>
Goat Anti Mouse IgG (STAR70...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (H/L) (STAR117...)	<a href="#">Alk. Phos.</a> , <a href="#">DyLight®488</a> , <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®680</a> , <a href="#">DyLight®800</a> , <a href="#">FITC</a> , <a href="#">HRP</a>
Rabbit Anti Mouse IgG (STAR9...)	<a href="#">FITC</a>
Goat Anti Mouse IgG (Fc) (STAR120...)	<a href="#">FITC</a> , <a href="#">HRP</a>
Goat Anti Mouse IgG (STAR77...)	<a href="#">HRP</a>

### 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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