

# Datasheet: MCA2689GA

**BATCH NUMBER 166401**

<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> )

<b>Stabilisers</b>	
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified recombinant bovine IFN gamma expressed in <i>E.coli</i> .
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P07353</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">281237</a>    IFNG    <a href="#">Related reagents</a></p>
<b>RRID</b>	AB_931794
<b>Fusion Partners</b>	Spleen cells from immunized Balb/c mice were fused with cells of the Sp20/Ag-14 myeloma cell line.
<b>Specificity</b>	<p><b>Mouse anti Bovine interferon gamma antibody, clone 5D10</b>, recognizes IFN<math>\gamma</math>, a 19.3 kDa protein belonging to the type II interferon family .</p> <p>Bovine IFN<math>\gamma</math> 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<math>\gamma</math> reagents available from Bio-Rad which include the monoclonal antibody clones CC330 (<a href="#">MCA2112</a>), CC302 (<a href="#">MCA1783</a>) and 7B6 (<a href="#">MCA1964</a>) along with recombinant bovine IFN<math>\gamma</math> and bovine IFN<math>\gamma</math> ELISA kits.</p> <p>Mouse anti Bovine interferon gamma antibody, clone 5D10 is suitable for ELISA and ELISpot, for intracellular identification of bovine IFN<math>\gamma</math> and may be used in conjunction with clone CC302 (clone CC302 is available in a range of direct conjugates) as a detection reagent.</p>
<b>ELISA</b>	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.
<b>References</b>	<ol style="list-style-type: none"> <li>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. <a href="#">Vet Immunol Immunopathol. 66 (3-4): 309-20.</a></li> <li>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>. <a href="#">Vet Immunol Immunopathol. 84 (1-2): 29-41.</a></li> <li>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. <a href="#">Infect Immun. 70 (3): 1488-500.</a></li> </ol>
<b>Storage</b>	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.

<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

## 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 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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