Datasheet: MCA1964

**Description:** MOUSE ANTI BOVINE INTERFERON GAMMA

**Specificity:** IFN GAMMA

**Other names:** INTERFERON GAMMA

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** 7B6

**Isotype:** IgG1

**Quantity:** 0.5 mg

### 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).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry (1)</td>
<td>-</td>
<td>1/500 - 1/2000</td>
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<tr>
<td>Immunohistology - Frozen</td>
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<tr>
<td>Immunohistology - Paraffin (2)</td>
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<tr>
<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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Where this product 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 product for use in their own system using appropriate negative/positive controls.

(1) Membrane permeabilization is required for this application. The use of Leucoperm™ (Product Code BUF09A) is recommended for this purpose.

(2) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections. Sodium citrate buffer pH 6.0 is recommended for this purpose.

### Target Species

**Species Cross Reactivity**

Reacts with: Sheep, Fallow deer, Goat

**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 G

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide
**Approx. Protein Concentrations**

IgG concentration 1.0 mg/ml

**External Database Links**

<table>
<thead>
<tr>
<th>Links</th>
<th>Related reagents</th>
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<tbody>
<tr>
<td>UniProt:</td>
<td>P07353</td>
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<tr>
<td>Entrez Gene:</td>
<td>281237 IFNG</td>
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</tbody>
</table>

**Specificity**

*Mouse anti Bovine interferon-γ antibody, clone 7B6* recognises both native and recombinant bovine IFN-γ. Bovine interferon-γ is a 166 amino acid $\approx$16 kDa secreted cytokine with antiviral activity. Interferon-γ, secreted by lymphocytes in response to specific mitogens, is also a potent macrophage activator and has antiproliferative actions on transformed cells and can enhance functions of type-1 interferons.

**Flow Cytometry**

Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

**References**


**Storage**

Store at +4°C or at -20°C if preferred.

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.
Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)  HRP
Rabbit Anti Mouse IgG (STAR13...)  HRP
Goat Anti Mouse IgG (STAR70...)  FITC
HuCAL Anti Mouse IgG1 (HCA036...)  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
Rabbit Anti Mouse IgG (STAR9...)  FITC

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)