

## Datasheet: MCA6399GA

**BATCH NUMBER 162246**

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Description:</b>  | MOUSE ANTI HORSE INTERFERON GAMMA |
| <b>Specificity:</b>  | IFN GAMMA                         |
| <b>Format:</b>       | Purified                          |
| <b>Product Type:</b> | Monoclonal Antibody               |
| <b>Clone:</b>        | 36                                |
| <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 |
|-------|-----|----|----------------|--------------------|
| ELISA | ▪   |    |                | 5 µg/ml            |

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.

|                                       |   |
|---------------------------------------|---|
| <b>Target Species</b>                 | Horse   |
| <b>Product Form</b>                   | Purified IgG - liquid   |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant |
| <b>Buffer Solution</b>                | Phosphate buffered saline   |
| <b>Preservative Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Carrier Free</b>                   | Yes   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0 mg/ml   |
| <b>Immunogen</b>                      | Recombinant IFN-γ/IL-4 equine/murine fusion protein   |

|                                      |  |
|--------------------------------------|--|
| <b>External Database Links</b>       | <b>UniProt:</b><br><a href="#">A7LBS7</a> <a href="#">Related reagents</a>   |
| <b>Fusion Partners</b>               | Spleen cells from immunised BALB/c mice were fused with cells of the X3.Ag8-653 myeloma cell line  |
| <b>Specificity</b>                   | <p><b>Mouse anti Horse interferon gamma antibody, clone 36</b> recognizes horse interferon gamma (IFN-gamma).</p> <p>Interferon-gamma (IFN-gamma) is crucial to the immune response against pathogens and tumor control. It is a key cytokine in innate and adaptive immune responses. A variety of autoinflammatory and autoimmune diseases are linked to dysregulation of IFN-gamma expression. During initial infection, cells of the innate immune system (natural killer (NK) and natural killer T (NKT) cells), secrete IFN-gamma; followed by CD4+ Th1 and CD8+ T cells during the antigen-specific adaptive immune response (<a href="#">Schoenborn and Wilson, 2007</a>).</p> <p>Mouse anti Horse interferon gamma antibody, clone 36, can be used as the capture antibody together with Mouse anti Bovine IFN-gamma:Biotin (<a href="#">MCA1783B</a>) and Streptavidin:HRP (<a href="#">STAR5B</a>) as the detection reagents in an ELISA.</p> |
| <b>References</b>                    | 1. Perkins, G.A. <i>et al.</i> (2014) Maternal T-lymphocytes in equine colostrum express a primarily inflammatory phenotype. <a href="#">Vet Immunol Immunopathol. 161 (3-4): 141-50.</a>  |
| <b>Storage</b>                       | <p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>  |
| <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/MCA6399GA">https://www.bio-rad-antibodies.com/SDS/MCA6399GA</a><br>10040  |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

|   |  |
|---|--|
| Goat Anti Mouse IgG (STAR77...)         | <a href="#">HRP</a>                              |
| Rabbit Anti Mouse IgG (STAR12...)       | <a href="#">RPE</a>                              |
| Goat Anti Mouse IgG (STAR70...)         | <a href="#">FITC</a>                             |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | <a href="#">Alk. Phos.</a> , <a href="#">HRP</a> |

Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
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 (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

|                                  |   |                  |   |               |   |
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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://bio-rad-antibodies.com/datasheets)  
'M414141:221201'

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