

Datasheet: MCA6399GA

Description:	MOUSE ANTI HORSE INTERFERON GAMMA
Specificity:	IFN GAMMA
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	36
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
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.

Target Species	Horse
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A 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	Recombinant IFN-γ/IL-4 equine/murine fusion protein

**External Database
Links**

UniProt:

[A7LBS7](#)

[Related reagents](#)

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the X3.Ag8-653 myeloma cell line

Specificity

Mouse anti Horse interferon gamma antibody, clone 36 recognizes horse interferon gamma (IFN-gamma).

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 ([Schoenborn and Wilson, 2007](#)).

Mouse anti Horse interferon gamma antibody, clone 36, can be used as the capture antibody together with Mouse anti Bovine IFN-gamma:Biotin ([MCA1783B](#)) and Streptavidin:HRP ([STAR5B](#)) as the detection reagents in an ELISA.

References

1. Perkins, G.A. *et al.* (2014) Maternal T-lymphocytes in equine colostrum express a primarily inflammatory phenotype. [Vet Immunol Immunopathol. 161 \(3-4\): 141-50.](#)

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

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA6399GA>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)

[HRP](#)

Rabbit Anti Mouse IgG (STAR12...)

[RPE](#)

Goat Anti Mouse IgG (STAR70...)

[FITC](#)

Goat Anti Mouse IgG IgA IgM (STAR87...)[Alk. Phos.](#), [HRP](#)

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
'M414141:221201'

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