

Datasheet: MCA6392GA

Description:	MOUSE ANTI HORSE INTERLEUKIN-4
Specificity:	IL-4
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	13G7
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	■			

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 equine IL-4

**External Database
Links**

UniProt:

[P42202](#)

[Related reagents](#)

Entrez Gene:

[100034225](#)

IL4

[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 interleukin-4 antibody, clone 13G7 recognizes horse interleukin-4 (IL-4).

Interleukin-4 is a cytokine derived from Th2 cells ([Mosmann and Coffman, 1989](#)). It has a number of regulatory effects on B-cells, T-cells, monocytes and dendritic cells, as well as some non-immune cells such as endothelial cells and fibroblasts ([Chomarat and Banchereau, 1998](#); [Galli et al. 2005](#)). IL-4 is the key cytokine for regulating immunoglobulin class switching to IgG1 and IgE ([Siebenkotten et al. 1992](#)). Interleukin-4 acts as a regulator of low affinity Fc receptor for IgE (CD23) expression on both lymphocytes and monocytes ([Miyajima et al. 1991](#), [Hudak et al. 1987](#)).

Mouse anti Horse interleukin-4 antibody, clone 13G7, is able to detect equine IL-4 in an ELISA on supernatants from horse PBMC stimulated with PHA, PWM and ConA, but not from LPS stimulation ([Wagner et al. 2006](#)).

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/MCA6392GA>
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
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](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

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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
'M415886:230116'

Printed on 18 Jan 2024

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