

Datasheet: MCA6392GA

BATCH NUMBER 163630

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	<p>Mouse anti Horse interleukin-4 antibody, clone 13G7 recognizes horse interleukin-4 (IL-4).</p> <p>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).</p> <p>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).</p>
Storage	<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>
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](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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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'

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