

## Datasheet: MCA6395GA

<b>Description:</b>	MOUSE ANTI HORSE INTERLEUKIN-17A
<b>Specificity:</b>	IL-17A
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	80-1
<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	▪			

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 equine IL17A/IL-4 fusion protein

**External Database  
Links**

**UniProt:**

[A0A3Q2HZ94](#)

[Related reagents](#)

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**Fusion Partners**

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

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**Specificity**

**Mouse anti Horse interleukin-17A antibody, clone 80-1** recognizes horse interleukin-17A (IL-17A).

The IL-17 family consists of six proteins (IL-17A to IL-17F) which function as pro-inflammatory cytokines, important in the defence against pathogens ([Gurczynski and Moore, 2018](#)). It is also considered a target for several autoimmune and inflammatory diseases. The predominant sources of IL-17A are lymphocytes, including CD4+, CD8+, gamma-delta T, invariant NKT, and innate lymphoid cells (ILCs) ([Cua and Tato, 2010](#)). However, the closest association is to Th17 cells which are generated from naïve CD4+ T cells ([Park et al, 2005](#)).

Perkins *et al.* found that equine colostrum immune cells, compared to PBMC, have an overall inflammatory phenotype shown by high IFN-gamma and IL-17 secretion ([Perkins et al, 2014](#)).

The purified Mouse anti Horse interleukin-17A antibody, clone 80-1 (MCA6395GA) can be used as a capture antibody in a sandwich ELISA with the biotinylated Mouse anti Horse interleukin-17A antibody, clone 79-3 ([MCA6396B](#)) as the detection antibody.

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**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.](#)

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**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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6395GA>  
10040

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)

[RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)  
 Goat Anti Mouse IgG (STAR76...) [RPE](#)  
 Goat Anti Mouse IgG (STAR70...) [FITC](#)  
 Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
 Goat Anti Mouse IgG (STAR77...) [HRP](#)  
 Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
 Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
 Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

**ELISA Matched Pair - Detection Antibody**

[MOUSE ANTI HORSE INTERLEUKIN-17A:Biotin \(MCA6396B\)](#)

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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)  
 'M431550:240719'

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