

## Datasheet: MCA6395GA

**BATCH NUMBER 165475**

<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

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">A0A3Q2HZ94</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 interleukin-17A antibody, clone 80-1</b> recognizes horse interleukin-17A (IL-17A).</p> <p>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 (<a href="#">Gurczynski and Moore, 2018</a>). 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) (<a href="#">Cua and Tato, 2010</a>). However, the closest association is to Th17 cells which are generated from naïve CD4+ T cells (<a href="#">Park et al, 2005</a>).</p> <p>Perkins <i>et al.</i> found that equine colostrum immune cells, compared to PBMC, have an overall inflammatory phenotype shown by high IFN-gamma and IL-17 secretion (<a href="#">Perkins et al, 2014</a>).</p> <p>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 (<a href="#">MCA6396B</a>) as the detection antibody.</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/MCA6395GA">https://www.bio-rad-antibodies.com/SDS/MCA6395GA</a> 10040
<b>Regulatory</b>	For research purposes only

## 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](#)

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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)  
 'M422477:230913'

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