

Datasheet: MCA6396B

BATCH NUMBER 168321

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|----------------------|---|
| Description: | MOUSE ANTI HORSE INTERLEUKIN-17A:Biotin |
| Specificity: | IL-17A |
| Format: | Biotin |
| Product Type: | Monoclonal Antibody |
| Clone: | 79-3 |
| 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.

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|---------------------------------------|---|
| Target Species | Horse |
| Product Form | Purified IgG conjugated to Biotin - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative | 0.09% Sodium Azide (NaN ₃) |
| Stabilisers | 1% Bovine Serum Albumin |
| Approx. Protein Concentrations | IgG concentration 0.1 mg/ml |
| Immunogen | Recombinant equine IL17A/IL-4 fusion protein |

**External Database
Links**

UniProt:

[A0A3Q2HZ94](#)

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

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 #10041 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6396B>

Regulatory

For research purposes only

Related Products

ELISA Matched Pair - Capture Antibody

[MOUSE ANTI HORSE INTERLEUKIN-17A \(MCA6395GA\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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