Datasheet: MCA6396B

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.

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 Stabilisers	0.09% Sodium Azide (NaN_3) 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 colostral 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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