

Datasheet: MCA6395GA

BATCH NUMBER 166247

Description:	MOUSE ANTI HORSE INTERLEUKIN-17A
Specificity:	IL-17A
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	80-1
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 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	<p>Mouse anti Horse interleukin-17A antibody, clone 80-1 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 (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).</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 (Perkins et al, 2014).</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 (MCA6396B) as the detection antibody.</p>
References	1. Perkins, G.A. <i>et al.</i> (2014) Maternal T-lymphocytes in equine colostrum express a primarily inflammatory phenotype. Vet Immunol Immunopathol. 161 (3-4): 141-50.
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/MCA6395GA 10040
Regulatory	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
'M422477:230913'

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