

Datasheet: MCA6395GA

BATCH NUMBER 162592

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| 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.

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| 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 |

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| 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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