# Datasheet: MCA5982P

## BATCH NUMBER 161916

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| **Description:** | MOUSE ANTI HORSE IgE:HRP |
| **Specificity:** | IgE |
| **Format:** | HRP |
| **Product Type:** | Monoclonal Antibody |
| **Clone:** | 3H10 |
| **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 |
|---|---|---|---|---|
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | 1/500 - 1/5,000 |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | | | ▪ | |

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 Horseradish Peroxidase (HRP) - liquid |
| **Preparation** | Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant |
| **Buffer Solution** | Phosphate buffered saline |
| **Preservative Stabilisers** | 0.01% Thiomersal |
| **Approx. Protein Concentrations** | IgG concentration1.0 mg/ml |

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| **Immunogen** | Equine IgE |
| **Fusion Partners** | Spleen cells from immunised Balb/c mice were fused with cells of the P3X myeloma cell line |
| **Specificity** | **Mouse anti Horse IgE**, clone 3H10, recognizes native equine IgE and does not cross react with equine IgM, IgA or IgG.<br><br>IgE is an immunoglobulin primarily produced from plasma cells and, in normal serum, present at very low concentrations.<br><br>IgE is important in both type 1 hypersensitivity and immunity to parasite infections, in particular parasitic worms where equine IgE levels are significantly elevated following infection.<br><br>Monoclonal antibodies to equine IgE are of particular relevance to research into insect bite sensitivity, one of the most widely studied allergic diseases in equid species (Schaffartzik, A. *et al.* 2012). |
| **ELISA** | This product may be used as a detection reagent in a sandwich ELISA together with MCA5983GA as the capture reagent. |
| **Further Reading** | 1. Schaffartzik, A.*et al.* (2012) Equine insect bite hypersensitivity: what do we know? Vet Immunol Immunopathol. 147: 113-26. |
| **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.<br><br>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 #10094 available at:<br>https://www.bio-rad-antibodies.com/SDS/MCA5982P<br>10094 |
| **Regulatory** | For research purposes only |

## Related Products

### Recommended Useful Reagents

MOUSE ANTI HORSE IgE (MCA5983GA)


**North & South America** Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

**Worldwide** Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

**Europe** Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com

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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