

Datasheet: MCA5982GA

BATCH NUMBER 164056

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| Description: | MOUSE ANTI HORSE IgE |
| Specificity: | IgE |
| Format: | Purified |
| 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 |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | ▪ | | | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | ▪ | | | 1/1000 - 1/10,000 |
| 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 - 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 |

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|---------------------------------------|---|
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | Equine IgE |
| Fusion Partners | Spleen cells from immunised Balb/c mice were fused with cells of the P3X myeloma cell line |
| Specificity | <p>Mouse anti Horse IgE, clone 3H10, recognizes native equine IgE and does not cross react with equine IgM, IgA or IgG.</p> <p>IgE is an immunoglobulin primarily produced from plasma cells and, in normal serum, present at very low concentrations.</p> <p>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.</p> <p>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).</p> |
| ELISA | This product is suitable for use in indirect ELISA applications. |
| Western Blotting | Western blot analysis against affinity purified equine IgE using Mouse anti Horse IgE clone 3H10 demonstrates a band of approximately 80 kDa under reducing conditions and a band of approximately 200 kDa under non-reducing conditions which correspond with the expected molecular weight of equine Ig epsilon chain and the complete equine IgE molecule, respectively (Wilson, D.A. et al. 2006). |
| Further Reading | 1. Schaffartzik, A. <i>et al.</i> (2012) Equine insect bite hypersensitivity: what do we know? Vet Immunol Immunopathol. 147: 113-26. |
| 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/MCA5982GA 10040 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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|---|---|
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Rabbit Anti Mouse IgG (STAR8...) | DyLight®800 |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| 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 (STAR70...) | FITC |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |

Recommended Useful Reagents

[MOUSE ANTI HORSE IgE \(MCA5983GA\)](#)

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|----------------------------------|---|------------------|---|---------------|---|
| 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 |
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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

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Printed on 12 Aug 2023