Datasheet: MCA5982GA
BATCH NUMBER 163461

Product Details

Description: MOUSE ANTI HORSE IgE
Specificity: IgE
Format: Purified
Product Type: Monoclonal Antibody
Clone: 3H10
Isotype: IgG1
Quantity: 0.1 mg

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.

<table>
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<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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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 (NaN₃)

Carrier Free
Yes
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
Mouse anti Horse IgE, clone 3H10, recognizes native equine IgE and does not cross react with equine IgM, IgA or IgG.

IgE is an immunoglobulin primarily produced from plasma cells and, in normal serum, present at very low concentrations.

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.

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 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

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 #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA5982GA 10040

Regulatory
For research purposes only
Related Products

Recommended Secondary Antibodies

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)

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M382426:210513'

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