Description: MOUSE ANTI BOVINE IgA
Specificity: IgA
Format: Purified
Product Type: Monoclonal Antibody
Clone: IL-A71
Isotype: IgG2a
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.

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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<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>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: Bovine

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

Purified bovine Immunoglobulin

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the X63.Ag8.653 myeloma cell line

Specificity

Mouse anti Bovine IgA, clone IL-A71, is specific for bovine immunoglobulin A (IgA).

IgA is the predominant surface secreted immunoglobulin from the intestinal, urogenital and respiratory tracts. IgA functions in a protective capacity, primarily, by preventing viruses and bacteria from adhering to epithelial tissues. High concentrations of IgA are found in saliva, colostrum, milk, tear duct fluid, urine and nasal fluid.

Clone IL-A71 is reported to immunoprecipitate bands of approximately 62kDa and 75kDa, which is consistent with the heavy chain and the secretory component of IgA (Williams et al. 1990).

In addition to clone IL-A71 which is specific for bovine IgA, monoclonal antibodies recognizing the other major bovine immunoglobulin classes and sub-classes are also available from Bio-Rad.

References


Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

 Guarantee

12 months from date of despatch
Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) **Alk. Phos., HRP**
Goat Anti Mouse IgG (STAR77...) **HRP**
Rabbit Anti Mouse IgG (STAR12...) **RPE**
Rabbit Anti Mouse IgG (STAR8...) **DyLight®800**
Rabbit Anti Mouse IgG (STAR13...) **HRP**
Goat Anti Mouse IgG (STAR76...) **RPE**
Goat Anti Mouse IgG (STAR70...) **FITC**
Goat Anti Mouse IgG (Fc) (STAR120...) **FITC, HRP**
Human Anti Mouse IgG2a (HCA037...) **FITC, HRP**
Rabbit Anti Mouse IgG (STAR9...) **FITC**
Goat Anti Mouse IgG (H/L) (STAR117...) **Alk. Phos., DyLight®488, DyLight®680, DyLight®800, FITC, HRP**

Recommended Negative Controls

**MOUSE IgG2a NEGATIVE CONTROL (MCA929)**

Recommended Useful Reagents

**MOUSE ANTI BOVINE IgG (MCA2439GA)**
**MOUSE ANTI BOVINE IgG1 (MCA2440GA)**
**MOUSE ANTI BOVINE IgG2 (MCA2441GA)**
**MOUSE ANTI BOVINE IgM (MCA2443GA)**
**MOUSE ANTI SHEEP IgE (MCA5941GA)**

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M366908:200529'

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