# Datasheet: MCA5701GA

**Description:** MOUSE ANTI HUMAN DNA  
**Specificity:** DNA (DOUBLE STRANDED)  
**Other names:** DEOXYRIBONUCLEIC ACID  
**Format:** Purified  
**Product Type:** Monoclonal Antibody  
**Clone:** AE-2  
**Isotype:** IgG3  
**Quantity:** 0.1 mg  

## Product Details

**RRID**  
AB_10708969  

### 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](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>Immunoblotting</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 the appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Broad  
**N.B.** Antibody reactivity and working conditions may vary between species.

### Product Form

Purified IgG - liquid

### Preparation

Purified IgG prepared by affinity chromatography on Protein A

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.1% Sodium Azide (NaN₃)

### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml
**Immunogen**
Nuclei from Raji Burkitts lymphoma Cells.

**Specificity**
Mouse anti Human DNA antibody, clone AE-2 recognizes double-stranded deoxyribonucleic acid (dsDNA), but may demonstrate some cross-reactivity with single-stranded deoxyribonucleic acid (ssDNA).

Homogeneous staining of the nucleus has been observed in normal and malignant cells.

**Immunohistochemistry**
Use paraformaldehyde fixed frozen cells or tissue.

**Histology Positive Control Tissue**
Tonsil

**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**
18 months from date of despatch.

**Health And Safety Information**

**Regulatory**
For research purposes only

**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](#)
- Human Anti Mouse IgG3 (HCA039...)
  - [FITC, HRP](#)
- Goat Anti Mouse IgG (STAR76...)
  - [RPE](#)
- Goat Anti Mouse IgG (STAR70...)
  - [FITC](#)
- Goat Anti Mouse IgG (Fc) (STAR120...)
  - [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](#)