

Datasheet: 0200-0613

**BATCH NUMBER 164101**

<b>Description:</b>	MOUSE ANTI DNA
<b>Specificity:</b>	DNA
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	AC-30-10
<b>Isotype:</b>	IgM
<b>Quantity:</b>	50 µg

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

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			1/10
Immunohistology - Paraffin	▪			1/10
ELISA			▪	
Western Blotting			▪	
Immunofluorescence	▪			
Immunoblotting	▪			

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

Human

### Species Cross Reactivity

Reacts with: Chicken, Mouse, Rat

Based on sequence similarity, is expected to react with: Amphibia, Insect

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgM - liquid

### Preparation

Purified IgM prepared by gel filtration from ascites

<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Stabilisers</b>	0.5% Bovine Serum Albumin
<b>Approx. Protein Concentrations</b>	IgM concentration 0.1 mg/ml
<b>Immunogen</b>	Human DNA.
<b>RRID</b>	AB_2092752
<b>Specificity</b>	<b>Mouse anti DNA antibody, clone AC-30-10</b> reacts with all forms of native and denatured DNA, in all DNA containing species tested so far. It also reacts with lambda DNA and synthetic DNA. It has also been found to react with the following cell lines, XLKE-A6, RVF-SMC, PTK-2, and HeLa.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Scheer, U. <i>et al.</i> (1987) High sensitivity immunolocalization of double and single-stranded DNA by a monoclonal antibody. <a href="#">Eur J Cell Biol. 43: 358-71.</a></li> <li>2. Hansmann, P. <i>et al.</i> (1986) Ultrastructural localization of DNA in two Cryptomonas species by use of a monoclonal DNA antibody <a href="#">Eur J Cell Biol. 42: 152-60</a></li> </ol>
<b>Storage</b>	<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>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/0200-0613">https://www.bio-rad-antibodies.com/SDS/0200-0613</a> 10041
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR138...) [Alk. Phos.](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)

### Recommended Negative Controls

[MOUSE IgM NEGATIVE CONTROL \(MCA692\)](#)

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