

## Datasheet: MCA1332B

<b>Description:</b>	RAT ANTI FITC:Biotin
<b>Specificity:</b>	FITC
<b>Other names:</b>	FLUORESCCEIN ISOTHIOCYANATE
<b>Format:</b>	Biotin
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	LO-FLUO-1
<b>Isotype:</b>	IgM
<b>Quantity:</b>	0.5 mg

## Product Details

**RRID** AB\_322928

### 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
Flow Cytometry	▪			
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.5ug/ml
Western Blotting			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

### Target Species

Chemical

### Product Form

Purified IgM conjugated to Biotin - liquid

### Preparation

Purified IgM prepared by affinity chromatography from tissue culture supernatant

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

50% Glycerol  
0.1% Sodium Azide

### Approx. Protein Concentrations

Isotype concentration 1.0 mg/ml

### Immunogen

FITC conjugated mouse immunoglobulin.

### Fusion Partners

Spleen cells from immunised LOU/c rats were fused with cells of the IR983F rat myeloma cell line.

<b>Specificity</b>	<p><b>Rat anti FITC antibody, clone LO-FLUO-1</b> reacts with fluorescein isothiocyanate. Avidity against FITC conjugated BSA is <math>2 \times 10^{10} \text{M}^{-1}</math>.</p> <p>This antibody binds to both Free FITC and FITC conjugated to proteins, and may be valuable for amplification of FITC based immunostaining.</p>
<b>References</b>	<p>1. Van Cauwenberge, A. <i>et al.</i> (2009) Development of a new low-cost and regenerable detection device for microbial compounds MIC-ATR <a href="#">Final Report Phase 1 Summary Brussels : Belgian Science Policy 2009 – 6 p. (Research Programme Science for a Sustainable Development)</a> .</p>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	<p>18 months from date of despatch.</p>
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10328 available at: 10328: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10328.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10328.pdf</a></p>
<b>Regulatory</b>	<p>For research purposes only</p>

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