

## 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

### 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.

<b>Target Species</b>	Chemical
<b>Product Form</b>	Purified IgM conjugated to Biotin - liquid
<b>Preparation</b>	Purified IgM prepared by affinity chromatography from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	50% Glycerol
<b>Stabilisers</b>	0.1% Sodium Azide
<b>Approx. Protein Concentrations</b>	Isotype concentration 1.0 mg/ml
<b>Immunogen</b>	FITC conjugated mouse immunoglobulin.
<b>Fusion Partners</b>	Spleen cells from immunised LOU/c rats were fused with cells of the IR983F rat myeloma cell line.
<b>Specificity</b>	<b>Rat anti FITC antibody, clone LO-FLUO-1</b> reacts with fluorescein isothiocyanate. Avidity against

FITC conjugated BSA is  $2 \times 10^{10} \text{M}^{-1}$ .

This antibody binds to both Free FITC and FITC conjugated to proteins, and may be valuable for amplification of FITC based immunostaining.

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**References** 1. Van Cauwenberge, A. *et al.* (2009) Development of a new low-cost and regenerable detection device for microbial compounds MIC-ATR [Final Report Phase 1 Summary Brussels : Belgian Science Policy 2009 – 6 p. \(Research Programme Science for a Sustainable Development\)](#) .

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**Storage** Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

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.

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**Shelf Life** 18 months from date of despatch.

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**Health And Safety Information** Material Safety Datasheet documentation available at:  
Material Safety Datasheet Documentation #10328 available at:  
<https://www.bio-rad-antibodies.com/uploads/MSDS/10328.pdf>

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**Regulatory** For research purposes only

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