

Datasheet: MCA1332B

Description:	RAT ANTI FITC:Biotin
Specificity:	FITC
Other names:	FLUORESCCEIN ISOTHIOCYANATE
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	LO-FLUO-1
Isotype:	IgM
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			0.5ug/ml
Western Blotting			■	

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	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	0.09% sodium azide (NaN ₃) 50% glycerol
Approx. Protein Concentrations	Antibody concentration 1.0 mg/ml

Immunogen	FITC conjugated mouse immunoglobulin.
RRID	AB_322928
Fusion Partners	Spleen cells from immunised LOU/c rats were fused with cells of the IR983F rat myeloma cell line.
Specificity	<p>Rat anti FITC antibody, clone LO-FLUO-1 reacts with fluorescein isothiocyanate. Avidity against FITC conjugated BSA is $2 \times 10^{10} \text{M}^{-1}$.</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>
References	1. Van Cauwenberge, A. <i>et al.</i> (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) .
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10328 available at: https://www.bio-rad-antibodies.com/SDS/MCA1332B 10328
Regulatory	For research purposes only

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