

Datasheet: MCA1332

Description:	RAT ANTI FITC
Specificity:	FITC
Other names:	FLUORESCCEIN ISOTHIOCYANATE
Format:	Purified
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	▪			1.25ug/ml - 2.25ug/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 - liquid
Preparation	Purified IgM prepared by affinity chromatography from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	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.
Specificity	Rat anti FITC antibody, clone LO-FLUO-1 reacts with fluorescein isothiocyanate. Avidity against

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

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

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. \(Research Programme Science for a Sustainable Development\)](#) .

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.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation available at:
Material Safety Datasheet Documentation #10303 available at:
<https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgM (302001...) [Biotin](#), [RPE](#)

Goat Anti Rat IgM (STAR116...) [FITC](#), [HRP](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M298906:161212'

Printed on 28 Jan 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)