

Datasheet: MCA1332

BATCH NUMBER 161206

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	Isotype concentration 1.0 mg/ml

Concentrations

Immunogen	FITC conjugated mouse immunoglobulin.
RRID	AB_322929
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 $2 \times 10^{10}M^{-1}$.</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>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>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1332 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

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

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