

Datasheet: MCA1332

BATCH NUMBER 147618

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|----------------------|-----------------------------|
| 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 $2 \times 10^{10} \text{M}^{-1}$.</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>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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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