Datasheet: MCA358G

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN F-ACTIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>ACTIN F TYPE</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>NH3</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgM</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.5 mg</td>
</tr>
</tbody>
</table>

Product Details

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).

<table>
<thead>
<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td>-</td>
<td></td>
<td></td>
<td>1 / 10</td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td>-</td>
<td></td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<tr>
<td>ELISA</td>
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<tr>
<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</td>
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<td>1/100 - 1/500</td>
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</tbody>
</table>

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

Human

Species Cross Reactivity

Reacts with: Rabbit, Rat, Mouse

N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgM - liquid

Preparation

Purified IgM prepared from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

Approx. Protein Concentrations

IgM concentration 1.0 mg/ml

Immunogen

Human monocytes and U937 cell line.
**Fusion Partners**  
Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

**Specificity**  
*Mouse anti Human F-Actin antibody, clone NH3* recognizes human Filamentous actin (F-actin). The antibody binds to the N-terminal region of actin, but not to the extreme N-terminal 40 amino acids.

In tissue sections the antibody stains the cytoplasm of macrophages strongly, and gives granular, localised nuclear staining of all cell types.

**References**

**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 #10040 available at:  

**Regulatory**  
For research purposes only

**Related Products**

**Recommended Secondary Antibodies**

Goat Anti Mouse IgM (STAR86...)  
RPE
Goat Anti Mouse IgG IgA IgM (STAR87...) **Alk. Phos., HRP**
Goat Anti Mouse IgM (STAR138...) **Alk. Phos.**
Human Anti Mouse IgM (HCA040...) **FITC, HRP**

**Recommended Negative Controls**

**MOUSE IgM NEGATIVE CONTROL (MCA692)**

<table>
<thead>
<tr>
<th>Region</th>
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<th>Fax</th>
<th>Email</th>
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<tbody>
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<td>North &amp; South</td>
<td>Tel: +1 800 265 7376</td>
<td>Fax: +1 919 878 3751</td>
<td><a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a></td>
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<tr>
<td>America</td>
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<tr>
<td>Worldwide</td>
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<tr>
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