**Datasheet: MCA2577**

<table>
<thead>
<tr>
<th><strong>Description:</strong></th>
<th>MOUSE ANTI RHIZOPUS ARRHIZUS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specificity:</strong></td>
<td>RHIZOPUS ARRHIZUS</td>
</tr>
<tr>
<td><strong>Other names:</strong></td>
<td>RHIZOPUS ORYZAE</td>
</tr>
<tr>
<td><strong>Format:</strong></td>
<td>Purified</td>
</tr>
<tr>
<td><strong>Product Type:</strong></td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td><strong>Clone:</strong></td>
<td>WSSA-RA-1</td>
</tr>
<tr>
<td><strong>Isotype:</strong></td>
<td>IgM</td>
</tr>
<tr>
<td><strong>Quantity:</strong></td>
<td>0.25 mg</td>
</tr>
</tbody>
</table>

**Product Details**

**RRID**

AB_1102839

**Applications**

<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>
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<tr>
<td>Immunohistology - Frozen</td>
<td></td>
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<tr>
<td>Immunohistology - Paraffin (1)</td>
<td>-</td>
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<td>1/50</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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</tr>
<tr>
<td>Western Blotting</td>
<td></td>
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</tbody>
</table>

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.

(1) This product requires protein digestion pre-treatment of paraffin sections e.g. See Jensen et al. (2000) for details.

**Target Species**

Fungal

**Product Form**

Purified IgM - liquid

**Preparation**

Purified IgM prepared by ammonium sulphate precipitation from tissue culture supernatant.

**Buffer Solution**

Phosphate buffered saline.

**Preservative Stabilisers**

0.09% Sodium Azide (NaN₃)

**Approx. Protein Concentrations**

IgM concentration 1.0mg/ml.
**Immunogen**

Water-soluble somatic antigens (WSSA) from *Rhizopus arrhizus*.

**Fusion Partners**

Spleen cells from immunised Balb/c ABom mice were fused with cells of the X63-Ag8.653 myeloma cell line.

**Specificity**

Mouse anti *Rhizopus arrhizus* antibody, clone WSSA-RA-1 recognizes *Rhizopus arrhizus* and other members of the family Mucoraceae including *Absidia corymbifera* and *Rhizomucor pusillus*, reacting strongly with the cytoplasm of hyphae and also possibly with the walls and septae, where present.

*R. arrhizus*, an angio-invasive filamentous fungus, is one of the main causative agents of systemic bovine and human zygomycosis, a worldwide and often fatal respiratory disease. Clone WSSA-RA-1 has been successfully used in immunohistochemistry for the specific and consistent *in situ* diagnosis of systemic bovine zygomycosis, attributed to its possible binding to a highly glycosylated moiety on non-structural components.

Clone WSSA-RA-1 does not bind to water-soluble somatic antigens (WSSA) of *Aspergillus spp*.

**Histology Positive Control Tissue**

Lymph nodes from R.arrhizus infected cattle.

**Western Blotting**

Mouse anti *Rhizopus arrhizus* detects a number diffuse band/s of between ~14-110kDa of *Rhizopus arrhizus* water-soluble somatic antigens (*Jensen et al. 1996*).

**References**


**Storage**

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee
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 IgG IgA IgM (STAR87...) **Alk. Phos.,** **HRP**
Goat Anti Mouse IgM (STAR138...) **Alk. Phos.**
Goat Anti Mouse IgM (STAR86...) **RPE**
Human Anti Mouse IgM (HCA040...) **FITC**

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