## Datasheet: MCA1121

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN DENDRITIC CELLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>DENDRITIC CELLS/B CELLS</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>RFD1</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgM</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.2 mg</td>
</tr>
</tbody>
</table>

### 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](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></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td>■</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(1) Immunohistology - Paraffin</td>
<td>■</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td>■</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunoprecipitation</td>
<td></td>
<td>■</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td>■</td>
<td></td>
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</tr>
</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. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

(1) The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Macaque

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

### Product Form

Purified IgM- liquid

### Preparation

Purified IgM prepared by affinity chromatography

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide

### Approx. Protein

IgM concentration 0.5 mg/ml
Concentrations

Fusion Partners
Spleen cells from immunised Balb/c mice were fused with cells of the NS1 mouse myeloma cell line.

Specificity

Mouse anti Human dendritic cells antibody, clone RFD1 recognizes an epitope within the class II MHC complex. In normal tissue mouse anti human dendritic cells antibody, clone RFD1 identifies dendritic cells and a proportion of B lymphocytes. Within the macrophage/dendritic cell populations the epitope seen by RFD1 is co-expressed with RFD7 by a subset of cells that exhibit suppressive activity on T cell stimulation. Mouse anti Human dendritic cells antibody, clone RFD1 does not bind to monocytes or cells of the granulocyte lineage.

Mouse anti Human dendritic cells antibody, clone RFD1 has been used for the induction of apoptosis via MHC Class II cross linking of gastric mucosa epithelial cells (Fan et al. 1998).

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.

<table>
<thead>
<tr>
<th>Guarantee</th>
<th>18 months from date of despatch.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulatory</td>
<td>For research purposes only</td>
</tr>
</tbody>
</table>

### Related Products

**Recommended Secondary Antibodies**

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

**Recommended Negative Controls**

MOUSE IgM NEGATIVE CONTROL (MCA692)

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