Datasheet: MCA2090PE

<table>
<thead>
<tr>
<th><strong>Description:</strong></th>
<th>MOUSE ANTI HUMAN HLA A2:RPE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specificity:</strong></td>
<td>HLA A2</td>
</tr>
<tr>
<td><strong>Format:</strong></td>
<td>RPE</td>
</tr>
<tr>
<td><strong>Product Type:</strong></td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td><strong>Clone:</strong></td>
<td>BB7.2</td>
</tr>
<tr>
<td><strong>Isotype:</strong></td>
<td>IgG2b</td>
</tr>
<tr>
<td><strong>Quantity:</strong></td>
<td>100 TESTS</td>
</tr>
</tbody>
</table>

**Product Details**

**RRID**
AB_324027

**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>Application</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>Neat</td>
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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

**Product Form**
Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

**Reconstitution**
Reconstitute with 1.0 ml distilled water

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
</tr>
</tbody>
</table>

**Preparation**
Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.

**Buffer Solution**
Phosphate buffered saline

**Preservative Stabilisers**
0.09% Sodium Azide
1% Bovine Serum Albumin
5% Sucrose

**Immunogen**
Papain solubilised HLA-A2

**External Database Links**

<table>
<thead>
<tr>
<th>UniProt:</th>
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<tbody>
<tr>
<td>P01892</td>
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</tbody>
</table>

[Related reagents](#)
Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

**Specificity**

Mouse anti Human HLA A2 antibody, clone BB7.2 recognizes the human HLA-A2 histocompatibility antigen. The epitope recognized by this antibody has been studied extensively and would appear to include the carboxy-terminus of the alpha-2 helix and a turn on one of the underlying beta strands.

Mouse anti Human HLA A2 antibody, clone BB7.2 may be used for the flow cytometric detection of HLA-A2 expression and has also been used for immunoaffinity purification of HLA-A2 molecules. Functionally Mouse anti Human HLA A2 antibody, clone BB7.2 is reported to inhibit MHC restricted cellular cytotoxicity.

**Flow Cytometry**

Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood.

**References**


### Storage

Prior to reconstitution store at +4°C.

After reconstitution store at +4°C.

DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

### Guarantee

12 months from date of reconstitution.

### Health And Safety Information


### Regulatory

For research purposes only

### Related Products

**Recommended Negative Controls**

- **MOUSE IgG2b NEGATIVE CONTROL: RPE (MCA691PE)**

**Recommended Useful Reagents**

- **HUMAN SEROBLOCK (BUF070A)**
- **HUMAN SEROBLOCK (BUF070B)**

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