Datasheet: MCA2090

BATCH NUMBER 1806

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN HLA A2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>HLA A2</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>BB7.2</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG2b</td>
</tr>
<tr>
<td>Quantity:</td>
<td>0.2 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>10ug/ml</td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
<td></td>
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<tr>
<td>ELISA</td>
<td></td>
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<tr>
<td>Immunoprecipitation</td>
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<tr>
<td>Western Blotting</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

Product Form: Purified IgG - liquid

Preparation: Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% Sodium Azide

Carrier Free: Yes
Approx. Protein Concentrations
IgG concentration 1.0 mg/ml

Immunogen
Papain solubilized HLA-A2

External Database Links
UniProt: P01892 Related reagents
Entrez Gene: 3105 HLA-A Related reagents

Synonyms
HLAA

RRID
AB_324652

Fusion Partners
Spleen cells from immunized 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.

Histology Positive Control Tissue
Tonsil

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.

**Guarantee**

12 months from date of despatch

**Health And Safety Information**


10040

**Regulatory**

For research purposes only

**Related Products**
**Recommended Secondary Antibodies**

<table>
<thead>
<tr>
<th>Antibody Type</th>
<th>Label(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goat Anti Mouse IgG (STAR77...)</td>
<td>HRP</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR12...)</td>
<td>RPE</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG IgA IgM (STAR87...)</td>
<td>Alk. Phos., HRP</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (STAR76...)</td>
<td>RPE</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (Fc) (STAR120...)</td>
<td>FITC, HRP</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR13...)</td>
<td>HRP</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (STAR70...)</td>
<td>FITC</td>
</tr>
<tr>
<td>Goat Anti Mouse IgG (H/L) (STAR117...)</td>
<td>Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP</td>
</tr>
<tr>
<td>Rabbit Anti Mouse IgG (STAR9...)</td>
<td>FITC</td>
</tr>
</tbody>
</table>

**Recommended Negative Controls**

MOUSE IgG2b NEGATIVE CONTROL (MCA691)

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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://bio-rad-antibodies.com/datasheets) 'M366164:200529'

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