Datasheet: MCA2090EL

Product Details

Description: MOUSE ANTI HUMAN HLA A2:Low Endotoxin

Specificity: HLA A2

Format: Low Endotoxin

Product Type: Monoclonal Antibody

Clone: BB7.2

Isotype: IgG2b

Quantity: 0.5 mg

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.

<table>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>10ug/ml</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<td>Functional Assays</td>
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<td>5ug/ml - 10ug/ml</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 - liquid

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

Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: None present

Carrier Free: Yes

Endotoxin Level: <0.01EU/ug

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Immunogen: Papain solubilised HLA-A2
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.

**Histology Positive Control Tissue**

Tonsil

**References**


Storage
Store at -20°C only.
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 #10162 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 IgG (STAR77...) [HRP]
Rabbit Anti Mouse IgG (STAR12...) [RPE]
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800]
Rabbit Anti Mouse IgG (STAR13...) [HRP]
Goat Anti Mouse IgG (STAR76...) [RPE]
Goat Anti Mouse IgG (STAR70...) [FITC]
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP]
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC, HRP]
Rabbit Anti Mouse IgG (STAR9...) [FITC]
Human Anti Mouse IgG2b (HCA038...) [FITC, HRP]

Recommended Negative Controls