Datasheet: MCA2090F

**Description:**
MOUSE ANTI HUMAN HLA A2:FITC

**Specificity:**
HLA A2

**Format:**
FITC

**Product Type:**
Monoclonal Antibody

**Clone:**
BB7.2

**Isotype:**
IgG2b

**Quantity:**
0.1 mg

**RRID:**
AB_324186

**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>Yes</td>
<td></td>
<td></td>
<td>Neat - 1/10</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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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</thead>
<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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</table>

**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
1% Bovine Serum Albumin

**Approx. Protein Concentrations**
IgG concentration 0.1 mg/ml

**Immunogen**
Papain solubilised HLA-A2

**External Database Links**
UniProt: [P01892](http://www.uniprot.org/uniprot/P01892) Related reagents
**Entrez Gene:**

3105 HLA-A

**Related reagents**

**Synonyms**  
HLAA

**Fusion Partners**  
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
Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.

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

Regulatory
For research purposes only

Related Products

Recommended Negative Controls
MOUSE IgG2b NEGATIVE CONTROL:FITC (MCA691F)

Recommended Useful Reagents
HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)