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

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.

<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>No</td>
<td>Not Determined</td>
<td>Neat - 1/10</td>
</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. 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>
</tr>
</thead>
<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
</tr>
</tbody>
</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 Related reagents

Entrez Gene:
**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.

**Shelf Life**

18 months from date of despatch.

**Health And Safety Information**

Material Safety Datasheet documentation #10041 available at:


**Regulatory**

For research purposes only

**Recommended Products**

**Recommended Negative Controls**

MOUSE IgG2b NEGATIVE CONTROL:FITC (MCA691F)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)

---

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)