Datasheet: MCA116F

<table>
<thead>
<tr>
<th>Description:</th>
<th>MOUSE ANTI HUMAN HLA B27:FITC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>HLA B27</td>
</tr>
<tr>
<td>Format:</td>
<td>FITC</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Monoclonal Antibody</td>
</tr>
<tr>
<td>Clone:</td>
<td>HLA-ABC-m3</td>
</tr>
<tr>
<td>Isotype:</td>
<td>IgG2a</td>
</tr>
<tr>
<td>Quantity:</td>
<td>100 TESTS/1ml</td>
</tr>
</tbody>
</table>

**Product Details**

**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></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>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></td>
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</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>
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</table>

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A

**Buffer Solution**

Phosphate buffered saline

**Preservative Stabilisers**

0.1% Sodium Azide (NaN₃)
0.2% Bovine Serum Albumin

**Approx. Protein Concentrations**

50 ug/ml

**Immunogen**

Immune complex precipitated from an HLA-B27 positive cell line by anti HLA antibody and staphylococcal protein A.

**External Database Links**

UniProt:
Related reagents

**Entrez Gene:**

<table>
<thead>
<tr>
<th>Gene ID</th>
<th>Description</th>
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<tbody>
<tr>
<td>3106</td>
<td>HLA-B</td>
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</table>

**Synonyms**

HLAB

**RRID**

AB_322098

**Specificity**

Mouse anti Human HLA B27 antibody, clone HLA-ABC-m3 recognizes the HLA-B27 alloantigen. This antibody reacts with the peripheral blood lymphocytes of 47/47 individuals conventionally typed as HLA-B27 + and precipitates cell surface molecules of 43 and 12 kD, corresponding to the HLA Class 1 heavy chain and beta 2 microglobulin.

Affinity studies by Scatchard analysis showed that this antibody has a higher affinity for HLA-B27 (9.7 x 10^8 M^-1) than for HLA B7 (9.5 x 10^7 M^-1).

**Subjects Expected Fluorescence Intensity**

- Heterozygous HLA-B27+: Strong
- Homozygous HLA-B27+: Strong
- HLA-B7+: Faint
- Non B27, Non B7: Negative

**Flow Cytometry**

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

**References**


**Storage**

Store at +4°C.

DO NOT FREEZE.

This product should be stored undiluted. 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 despatch

**Health And Safety Information**

Related Products

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL:FITC (MCA929F)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)