Datasheet: MCA81
BATCH NUMBER 164686

Product Details

<table>
<thead>
<tr>
<th>Description</th>
<th>MOUSE ANTI HUMAN HLA ABC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity</td>
<td>HLA ABC</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>W6/32</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG2a</td>
</tr>
<tr>
<td>Quantity</td>
<td>0.2 mg</td>
</tr>
</tbody>
</table>

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>
<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></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td>1/50 - 1/100</td>
</tr>
<tr>
<td>(1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunohistology - Paraffin</td>
<td></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>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Immunofluorescence</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.

(1) The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. Bio-Rad recommends the use of acetone fixation for frozen sections.

Target Species

| Human |

Species Cross Reactivity

Reacts with: Macaque, Bovine, Cynomolgus monkey, Baboon, Rhesus Monkey, Chimpanzee, Gorilla, Shrew

Does not react with: Goat, Dog, Guinea Pig, Rabbit, Mouse, Chicken, Amphibia

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or
<table>
<thead>
<tr>
<th><strong>Product Form</strong></th>
<th>Purified IgG - liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Preparation</strong></td>
<td>Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant</td>
</tr>
<tr>
<td><strong>Buffer Solution</strong></td>
<td>Phosphate buffered saline</td>
</tr>
<tr>
<td><strong>Preservative Stabilisers</strong></td>
<td>0.09% Sodium Azide</td>
</tr>
<tr>
<td><strong>Carrier Free</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Approx. Protein Concentrations</strong></td>
<td>IgG concentration 1.0 mg/ml</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Purified human tonsil lymphocyte membranes.</td>
</tr>
<tr>
<td><strong>RRID</strong></td>
<td>AB_322094</td>
</tr>
<tr>
<td><strong>Fusion Partners</strong></td>
<td>Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1/1-Ag4.1 myeloma cell line.</td>
</tr>
</tbody>
</table>

**Specificity**

**Mouse anti Human HLA ABC antibody, clone W6/32** recognizes an antigenic determinant shared among products of the HLA A, B and C loci. Clone W6/32 recognizes a conformational epitope, reacting with HLA class I alpha3 and alpha2 domains. The major histocompatibility complex (MHC) is a cluster of genes that are important in the immune response to infections. In humans, this complex is referred to as the human leukocyte antigen (HLA) region. There are 3 major MHC class I proteins encoded by the HLA which are HLA A, HLA B and HLA C. These proteins are found on the surface of almost all nucleated somatic cells.

Mouse anti Human HLA ABC antibody, clone W6/32 is routinely tested in flow cytometry on human peripheral blood lymphocytes.

**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

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee  12 months from date of despatch

Health And Safety Information  Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA810040

Regulatory  For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...)  RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)  HRP
Goat Anti Mouse IgG (STAR76...)  RPE
Rabbit Anti Mouse IgG (STAR13...)  HRP
Goat Anti Mouse IgG (STAR70...)  FITC
Goat Anti Mouse IgG (H/L) (STAR117...)  Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)  FITC
Goat Anti Mouse IgG (STAR77...)  HRP
Goat Anti Mouse IgG (Fc) (STAR120...)  FITC, HRP

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets"M416156:230207"

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