Datasheet: MCA81P647

**Description:** MOUSE ANTI HUMAN HLA ABC: RPE-Alexa Fluor® 647

**Specificity:** HLA ABC

**Format:** RPE-ALEXA FLUOR® 647

**Product Type:** Monoclonal Antibody

**Clone:** W6/32

**Isotype:** IgG2a

**Quantity:** 100 TESTS

**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>-</td>
<td></td>
<td></td>
<td>Neat - 1/2</td>
</tr>
</tbody>
</table>

Where this product 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 product for use in their own system using appropriate negative/positive controls.

**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.

**Product Form**

Purified IgG conjugated to RPE-Alexa Fluor 647 - lyophilized

**Reconstitution**

Reconstitute with 1.0 ml distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

**Max Ex/Em**

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPE-Alexa Fluor®647</td>
<td>496</td>
<td>667</td>
</tr>
<tr>
<td>488nm laser</td>
<td>546</td>
<td>667</td>
</tr>
</tbody>
</table>

**Preparation**

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphatebuffered saline

**Preservative**

0.09% Sodium Azide (NaN₃)

**Stabilisers**

1% Bovine Serum Albumin
5% Sucrose

**Immunogen**
Purified human tonsil lymphocyte membranes.

**Fusion Partners**
Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1/1-Ag4.1 myeloma cell line.

**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 in 100ul

**References**

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Storage

Prior to reconstitution store at +4°C.
After reconstitution store at +4°C.
DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.

Shelf Life

12 months from date of reconstitution

Acknowledgements

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Health And Safety Information

Material Safety Datasheet documentation #10075 available at:

Regulatory

For research purposes only

Related Products

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL:RPE-Alexa Fluor® 647 (MCA929P647)

Recommended Useful Reagents

HUMAN SEROBLOCK (BUF070A)