Datasheet: MCA1298A488T

Description: MOUSE ANTI HUMAN CD79a:Alexa Fluor® 488

Specificity: CD79a

Other names: MB-1

Format: ALEXA FLUOR® 488

Product Type: Monoclonal Antibody

Clone: ZL7-4

Isotype: IgG1

Quantity: 25 TESTS/0.25ml

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.

<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</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 Alexa Fluor® 488 - 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>Alexa Fluor®488</td>
<td>495</td>
<td>519</td>
</tr>
</tbody>
</table>

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.05 mg/ml

Immunogen

IgM complex isolated from Daudi cells.

External Database Links

UniProt:

P11912 Related reagents

Entrez Gene:

973 CD79A Related reagents
Fusion Partners  
Spleen cells from immunized BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.

Specificity  
**Mouse anti Human CD79a antibody, clone ZL7-4** recognizes the human B-cell antigen receptor complex-associated protein alpha chain, also known as MB-1 membrane glycoprotein or CD79a. clone ZL7-4 reacts with CD79a positive cells by flow cytometry and with CD79a in an ELISA specific for a fusion protein of CD79a-Fc.

Mouse anti Human CD79a antibody, clone ZL7-4 has been reported to be useful in distinguishing B-CLL from mantle cell lymphoma in flow cytometric assays ([Bell et al. 1999](#)).

Mouse anti Human CD79a antibody, clone ZL7-4 has been reported to be suitable for Immunohistochemistry on frozen and pre-treated paraffin sections, but does exhibit epithelial staining.

Mouse anti Human CD79a antibody, clone ZL7-4 has been reported to induce phosphorylation of syk kinase ([Lanham et al. 2003](#)).

Flow Cytometry  
Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood We recommend incubation times of at least 30 minutes with this antibody.

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.

Acknowledgements  
This product is provided under an intellectual property licence from Life Technologies Corporation.
The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com

### Health And Safety Information


### Regulatory

For research purposes only

## Related Products

### Recommended Negative Controls

**MOUSE IgG1 NEGATIVE CONTROL:** Alexa Fluor® 488 (MCA928A488)

### Recommended Useful Reagents

- **HUMAN SEROBLOCK (BUF070A)**
- **HUMAN SEROBLOCK (BUF070B)**

### Contact Information

**North & South America**

Tel: +1 800 265 7376  
Fax: +1 919 878 3751  
Email: antibody_sales_us@bio-rad.com

**Worldwide**

Tel: +44 (0)1865 852 700  
Fax: +44 (0)1865 852 739  
Email: antibody_sales_uk@bio-rad.com

**Europe**

Tel: +49 (0) 89 8090 95 21  
Fax: +49 (0) 89 8090 95 50  
Email: antibody_sales_de@bio-rad.com

---

"M304515:170407"

**Printed on 19 May 2018**

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