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>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tr>
<td>Flow Cytometry</td>
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<td>10ug/ml</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<tr>
<td>Immunoprecipitation</td>
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<td>20ug/ml</td>
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<td>Western Blotting</td>
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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 - liquid

Preparation: Purified IgG prepared by affinity chromatography on Protein A

Buffer Solution: TRIS buffered saline

Preservative Stabilisers: 0.09% Sodium Azide
### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

### Immunogen

IgM complex isolated from Daudi cells.

### External Database Links

- **UniProt**: P11912
- **Related reagents**
- **Entrez Gene**: 973 CD79A
- **Related reagents**

### Synonyms

IGA, MB1

### RRID

AB_321767

### 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 in 100ul.

### References

5. Allsup, D.J. *et al.* (2005) B-cell receptor translocation to lipid rafts and associated signaling differ between prognostically important subgroups of chronic lymphocytic...

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. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10057 available at: https://www.bio-rad-antibodies.com/SDS/MCA1298

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) RPE
Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., 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
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR9...) FITC

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)