

## Datasheet: MCA2750A488

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| <b>Description:</b>  | MOUSE ANTI HUMAN Bcl-10:Alexa Fluor®488 |
| <b>Specificity:</b>  | Bcl-10                                  |
| <b>Format:</b>       | ALEXA FLUOR® 488                        |
| <b>Product Type:</b> | Monoclonal Antibody                     |
| <b>Clone:</b>        | 151                                     |
| <b>Isotype:</b>      | IgG1                                    |
| <b>Quantity:</b>     | 100 TESTS/1ml                           |

## 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).

|                    | Yes | No | Not Determined | Suggested Dilution |
|--------------------|-----|----|----------------|--------------------|
| Flow Cytometry (1) | ▪   |    |                | Neat - 1/10        |

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.

**(1)Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code [BUF09](#)) for this purpose.**

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|---------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------|--------------------------|
| <b>Target Species</b>                 | Human                                                                                         |                                  |                          |
| <b>Product Form</b>                   | Purified IgG conjugated to Alexa Fluor 488 - liquid                                           |                                  |                          |
| <b>Max Ex/Em</b>                      | <b>Fluorophore</b>                                                                            | <b>Excitation Max (nm)</b>       | <b>Emission Max (nm)</b> |
|                                       | Alexa Fluor®488                                                                               | 495                              | 519                      |
| <b>Preparation</b>                    | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant |                                  |                          |
| <b>Buffer Solution</b>                | Phosphate buffered saline                                                                     |                                  |                          |
| <b>Preservative</b>                   | 0.09% Sodium Azide (NaN <sub>3</sub> )                                                        |                                  |                          |
| <b>Stabilisers</b>                    | 1% Bovine Serum Albumin                                                                       |                                  |                          |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.05 mg/ml                                                                  |                                  |                          |
| <b>Immunogen</b>                      | Full length recombinant Bcl-10.                                                               |                                  |                          |
| <b>External Database Links</b>        | <b>UniProt:</b>                                                                               |                                  |                          |
|                                       | <a href="#">O95999</a>                                                                        | <a href="#">Related reagents</a> |                          |

**Entrez Gene:**

[8915](#) BCL10 [Related reagents](#)

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|                 |             |
|-----------------|-------------|
| <b>Synonyms</b> | CIPER, CLAP |
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| <b>Fusion Partners</b> | Spleen cells from immunised Balb/c mice were fused with cells of the NS0 myeloma cell line. |
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| <b>Specificity</b> | <p><b>Mouse anti Human Bcl-10 antibody, clone 151</b> recognizes human B-cell lymphoma/leukaemia 10 (Bcl-10), a 31kD CARD (caspase recruitment domain) containing molecule that is involved in the regulation of apoptosis. Bcl-10 was originally identified through its direct involvement in t(1;14) (p22;q32) of mucosa-associated lymphoid tissue (MALT) lymphoma. The Bcl-10 molecule is predominantly located in the cytoplasm but expression has also been reported in the nucleus of some lymphomas.</p> <p>Reports suggest that Bcl-10 is essential for nuclear factor (NF)-kappaB activation after lymphocyte receptor antigen stimulation and for the development of mature B-cells via ubiquitination of NEMO (<a href="#">Zhouet al. 2004</a>).</p> |
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| <b>Flow Cytometry</b> | Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul. |
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|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>References</b> | <ol style="list-style-type: none"><li>1. Ye, H. <i>et al.</i> (2005) MALT lymphoma with t(14;18)(q32;q21)/<i>IGH-MALT1</i> is characterized by strong cytoplasmic MALT1 and BCL10 expression. <a href="#">J Pathol. 205:293 – 301.</a></li><li>2. Ye, H. <i>et al.</i> (2000) BCL10 expression in normal and neoplastic lymphoid tissue. Nuclear localization in MALT lymphoma. <a href="#">Am J Pathol. 157:1147-54.</a></li></ol> |
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| <b>Storage</b> | <p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p> |
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| <b>Shelf Life</b> | 18 months from date of despatch. |
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| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10041 available at: 10041: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf</a> |
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| <b>Regulatory</b> | For research purposes only |
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## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL:Alexa Fluor® 488 \(MCA928A488\)](#)

## Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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