

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human/Mouse/Rat                                                                                                                                                                                                                                                             |
| <b>Specificity</b>        | Detects endogenous human, mouse, and rat Bcl-10 in Western blots.                                                                                                                                                                                                           |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>1</sub> Clone # 384202                                                                                                                                                                                                                            |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human Bcl-10<br>Met1-Leu192<br>Accession # O95999                                                                                                                                                                                       |
| <b>Conjugate</b>          | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

#### BACKGROUND

B cell CLL/leukemia 10 (Bcl-10), a 233 amino acid, 26.2 kDa protein, is the cellular homolog of the equine herpesvirus-2 gene (E10). Bcl-10 is also known as CARD like apoptotic protein (CLAP), CED-3/ICH-1 prodomain homologous E10-like regulator (CIPER), cellular-E10 (c-E10), and CARD-containing molecule enhancing NFκB (CARMEN). Bcl-10 contains a caspase recruitment domain (CARD) and has been shown to induce apoptosis and to activate NFκB. Bcl-10 can interact with other CARD domain containing proteins including CARD9, 10, 11, and 14, which function as upstream regulators of NFκB signaling. Defects in Bcl-10 may be involved in the pathogenesis of human malignancy. Over aa 1-192, human Bcl-10 is 92% and 93% aa identical to mouse and rat Bcl-10, respectively.

#### PRODUCT SPECIFIC NOTICES

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