

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human BMI-1 in direct ELISAs and Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 384515
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human BMI-1 Asp96-Gly326 Accession # P35226
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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.

	Recommended Concentration	Sample
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	HeLa human cervical epithelial carcinoma cell line fixed with paraformaldehyde and permeabilized with saponin

## 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>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

BMI-1 (B cell-specific Moloney-MLV integration site #1) is a 45 kDa protooncogene that is a class II member of the Polycomb group of genes. It participates in the formation of a large multimeric complex termed PRC1 that inhibits target gene transcription. Loss of BMI-1 function precludes stem cells from self-replicating. Human BMI-1 contains an N-terminal RING-finger domain (aa 17-56), an NLS (aa 81-95) and a C-terminal Pro/Ser-rich region (aa 251-326). Human BMI-1 shares 99%, 97%, 99% and 99% aa sequence identity with bovine, mouse, feline and canine BMI-1, respectively.

## PRODUCT SPECIFIC NOTICES

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