

DESCRIPTION

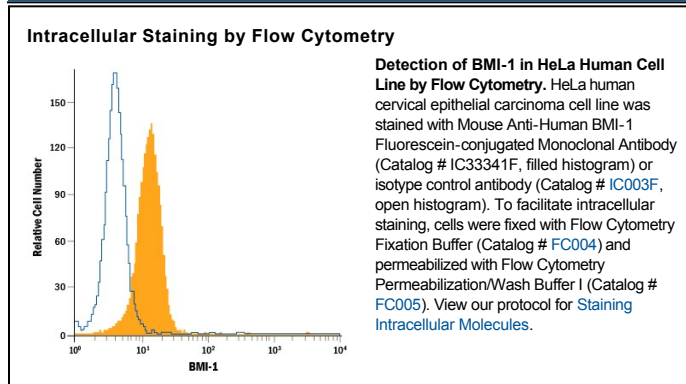
Species Reactivity	Human
Specificity	Detects human BMI-1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 384515
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human BMI-1 Asp96-Gly326 Accession # P35226
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm (FITC)
Formulation	Supplied 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
Intracellular Staining by Flow Cytometry	10 μ L/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

BMI-1 (B cell-specific Moloney-MLV integration site #1) is a 45 kDa proto-oncogene 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 within amino acids (aa) 17-56, a nuclear location sequence (NLS) at 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.