bsm-56001R **[Primary Antibody]**

C-Myc Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit
Isotype: IgG1
Clonality: Recombinant
CloneNo.: 18H19

Target: C-Myc

Immunogen: A synthesized peptide derived from human c Myc: 1-50.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.1M Phosphate Buffered Saline, pH7.4.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a multifunctional, nuclear phosphoprotein that plays a role in cell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor that regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemias and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translation initiations from an upstream, in-frame non-AUG (CUG) and a downstream AUG start site result in the production of two isoforms with distinct N-termini. The synthesis of non-AUG initiated protein is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this gene. [provided by RefSeq, Jul 2008].

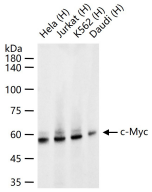
Applications: **WB** (1:2000-10000)
Flow-Cyt (1μg/Test)
ICC/IF (1:50-200)

Reactivity: Human

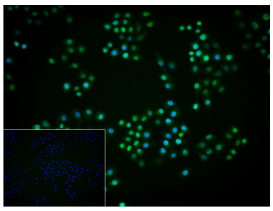
Predicted MW.: 51 kDa

Subcellular Location: Nucleus

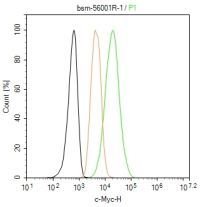
VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with c-Myc monoclonal antibody, unconjugated (bsm-56001R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (c-Myc) monoclonal Antibody, unconjugated (bsm-56001R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The Hela (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Rabbit Anti-c-Myc antibody (bsm-56001R): 1 μg/10^6 cells; Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.