

Anti-Myc [33] Standard Size Ab02778-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 33

Alternative Name(s) of Target: Transcription factor p64; Myc proto-oncogene protein; Class E basic helix-loop-helix protein 39; Proto-oncogene c-Myc; C-33

UniProt Accession Number of Target Protein: P01106

Published Application(s): IP, WB, IHC

Published Species Reactivity: Avian, Human, Mouse

Immunogen: The original mouse IgG1 version of this antibody was raised by immunizing mice against the full-length human c-myc protein. The spleen cells of these mice were then fused with mouse myeloma.

Specificity: This antibody recognizes the human proto-oncogene c-myc, a growth factor which is overexpressed in cancer cells.

Application Notes: This original mouse IgG1 can be used to detect the human myc-c growth factor. The specificity of this antibody has been confirmed using immunoprecipitation and western blotting (Zhang et al., 2008; PMID: 18438430). In addition, one group used a western blot assay to research the myc-c levels in cells at different stages of cell growth (Shichiri et al., 1993; PMID: 8494788). Another group used western blotting to visualize the amount of myc-c in different tumours (Marin et al., 1995; PMID: 7698223). A final group used immunohistochemistry to analyze the role myc-c plays in tumour development (Banerjee et al., 1996; PMID: 8631582).

Antibody First Published in: Shichiri et al. Effects of c-myc expression on proliferation, quiescence, and the G0 to G1 transition in nontransformed cells Cell Growth Differ. 1993 Feb;4(2):93-104 [PMID:8494788](#)

Note on publication: Is the first mention of the original mouse IgG1 antibody and describes its usage

Product Form

Size: 200 µg Purified antibody.

Purification:

Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.