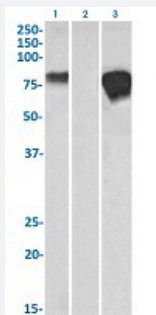


RecomAb™

MYC tag recombinant monoclonal antibody, clone 9E10

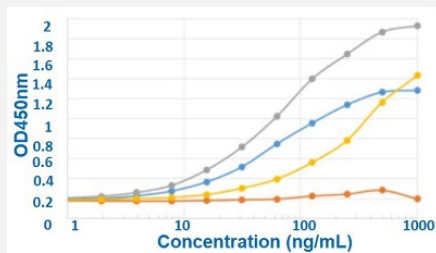
Catalog # RAB03380 Size 200 ug

Applications



Western Blot

Western blot analysis of Lane 1: HEK293 spiked with 5 ng multitag protein (35 ug protein in RIPA buffer), Lane 2: HEK293 unspiked with 5 ng multitag protein (35 ug protein in RIPA buffer) and Lane 3: positive control contains 25 ng purified multitag protein with MYC tag recombinant monoclonal antibody, clone 9E10 (Cat # RAB03380) (2 ug/mL). Primary incubation was 1 hour. Detected by chemiluminescence.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of MYC tag recombinant monoclonal antibody, clone 9E10 (Cat # RAB03380).

Specification

Product Description	Mouse recombinant monoclonal antibody raised against human MYC.
Antibody Species	Mouse
Immunogen	Original antibody is raised against a synthetic peptide corresponding to amino acids 408-439 from C-terminus of human MYC.
Reactivity	Human
Form	Liquid
Isotype	IgG1 kappa

Recommend Usage

ELISA
Immunofluorescence
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemistry (Frozen sections)
Immunoprecipitation
Western Blot
The optimal working dilution should be determined by the end user.

Storage Buffer

In PBS with 0.02% Proclin 300

Storage Instruction

Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Western blot analysis of Lane 1: HEK293 spiked with 5 ng multitag protein (35 ug protein in RIPA buffer), Lane 2: HEK293 unspiked with 5 ng multitag protein (35 ug protein in RIPA buffer) and Lane 3: positive control contains 25 ng purified multitag protein with MYC tag recombinant monoclonal antibody, clone 9E10 (Cat # RAB03380) (2 ug/mL). Primary incubation was 1 hour. Detected by chemiluminescence.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry (Frozen sections)

- Immunofluorescence

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of MYC tag recombinant monoclonal antibody, clone 9E10 (Cat # RAB03380).

Gene Info — MYC

Entrez GeneID

[4609](#)

Gene Name

MYC

Gene Alias

bHLHe39, c-Myc

Gene Description

v-myc myelocytomatosis viral oncogene homolog (avian)

Omim ID

[113970](#) [190080](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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, leukemia 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]

Other Designations

avian myelocytomatosis viral oncogene homolog|myc proto-oncogene protein|v-myc avian myelocytomatosis viral oncogene homolog

Pathway

- [Acute myeloid leukemia](#)
- [Bladder cancer](#)
- [Cell cycle](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [MAPK signaling pathway](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)
- [TGF-beta signaling pathway](#)
- [Thyroid cancer](#)
- [Wnt signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chromosome Aberrations](#)
- [Colorectal Neoplasms](#)
- [Diabetes Complications](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Prostate cancer](#)

- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Thyroid Diseases](#)
- [Thyroid Neoplasms](#)
- [Translocation](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)