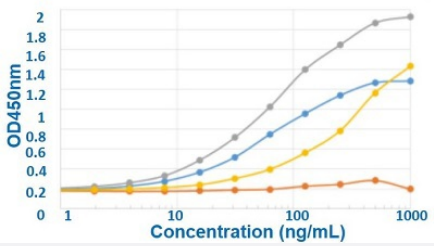
RecomAb™

MYC tag recombinant monoclonal antibody, clone 9E10

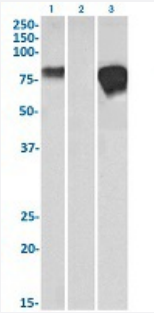
Catalog # RAB03380 Size 200 ug

Applications



Enzyme-linked Immunoabsorbent Assay

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



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.

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
Preparation Method	Mammalian cell (HEK293) expression system

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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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunohistochemistry (Frozen sections)
- Immunofluorescence
- Enzyme-linked Immunoabsorbent Assay

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

Gene Info — MYC

Entrez GeneID	4609
Gene Name	MYC
Gene Alias	bHLHe39, c-Myc
Gene Description	v-myc myelocytomatosis viral oncogene homolog (avian)

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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 c ell cycle progression, apoptosis and cellular transformation. It functions as a transcription factor th at regulates transcription of specific target genes. Mutations, overexpression, rearrangement and translocation of this gene have been associated with a variety of hematopoietic tumors, leukemia s and lymphomas, including Burkitt lymphoma. There is evidence to show that alternative translati on 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 protei n is suppressed in Burkitt's lymphomas, suggesting its importance in the normal function of this ge ne. [provided by RefSeq
Other Designations	avian myelocytomatosis viral oncogene homolog|myc proto-oncogene protein|v-myc avian myeloc ytomatosis 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

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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

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- Ovarian cancer
- Ovarian Neoplasms
- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Stomach Neoplasms
- Thyroid Diseases
- Thyroid Neoplasms
- Translocation
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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