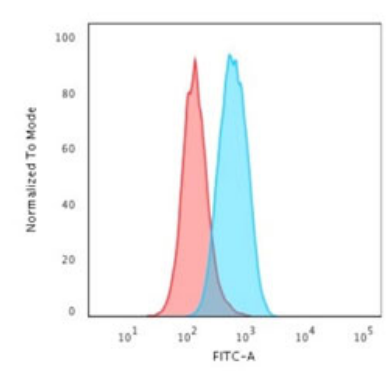
RecomAb™

MYC recombinant monoclonal antibody, clone MYC2895R

Catalog # RAB00588 Size 100 ug

Applications



Flow Cytometry

Flow cytometric analysis of K562 cells. Goat anti-mouse IgG-CF488 (Blue) ; Isotype Control (Red).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against partial human MYC.
Antibody Species	Rabbit
Immunogen	Recombinant tag fusion protein corresponding to amino acids 408-439 at C-terminus of human MYC .
Sequence	AEEQKLISEEDLLRKRREQLKHKLEQLRNSCA
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG

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Recommend Usage	ELISA (For coating) Flow Cytometry (1-2 ug/million cells) Immunofluorescence (1-2 ug/mL) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 1 mg/mL PBS
Storage Instruction	Store at -20 to -80°C.

Applications

- Immunofluorescence
- Flow Cytometry

  Flow cytometric analysis of K562 cells. Goat anti-mouse IgG-CF488 (Blue) ; Isotype Control (Red).
- Enzyme-linked Immunoabsorbent Assay

Gene Info — MYC

Entrez GeneID	4609
Protein Accession#	P01106
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 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

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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

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- 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

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- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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