



Catalog Number GTX628459 **Package:**200 µl ★★★★★ (2)

Product Name c-Myc antibody [GT168]

Full Name v-myc myelocytomatosis viral oncogene homolog (avian)

Synonyms MRTL antibody, bHLHe39 antibody, c-Myc antibody, MYC antibody, avian myelocytomatosis viral oncogene homolog antibody, myc-related translation/localization regulatory factor antibody, class E basic helix-loop-helix protein 39 antibody, transcription factor p64 antibody, proto-oncogene c-Myc antibody, myc proto-oncogene protein antibody, v-myc avian myelocytomatosis viral oncogene homolog antibody, v-myc myelocytomatosis viral oncogene homolog (avian) antibody

Product Description Mouse Monoclonal antibody [GT168] to c-Myc (v-myc myelocytomatosis viral oncogene homolog (avian))

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]

Host Mouse

Clonality Monoclonal

Clone Name GT168

Isotype IgG1

Antigen Species Human

Species Reactivity Human

Applications FACS, IHC-P, IP, WB

Application Note	Suggested dilution	Reference
Flow cytometry/FACS	1:50-1:200*	
IHC (Formalin-fixed paraffin-embedded sections)	1:100-1:1000*	
Immunoprecipitation	1:100-1:500*	
Western blot	1:500-1:3000*	

Not tested in other applications.

*Optimal dilutions/concentrations should be determined by the researcher.

Positive Controls 293T

Predicted Target Size 49 kDa

Cellular Localization Nucleus

Conjugation Unconjugated

Form Supplied Liquid

Purification Affinity purified by Protein G.

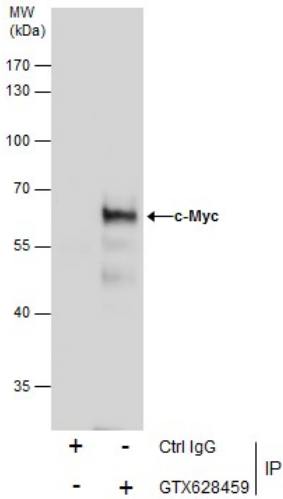
Concentration 1 mg/ml (Please refer to the vial label for the specific concentration)

Storage Buffer PBS

Storage Instruction Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

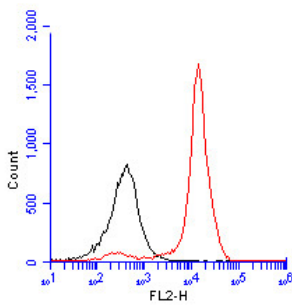
Notes For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

ResearchArea [Cancer](#) > [Tumor biomarkers](#)
[Cancer](#) > [Type of cancer](#) > [Breast](#) > [Other](#)
[Cancer](#) > [Type of cancer](#) > [Gastrointestinal](#) > [Stomach](#)



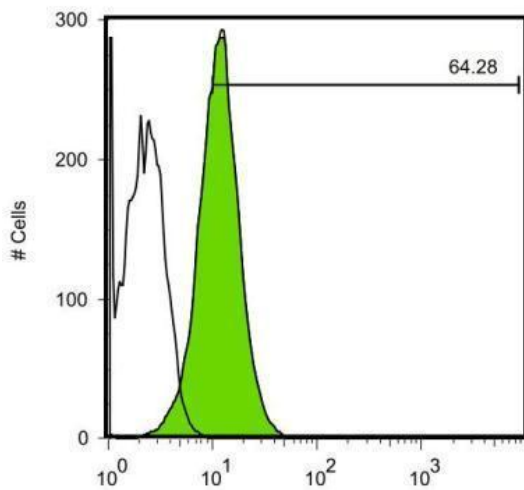
GTX628459 IP Image

Immunoprecipitation of c-Myc protein from HeLa nuclear extracts using 5 µg of c-Myc antibody [GT168] (GTX628459). Western blot analysis was performed using c-Myc antibody [GT168] (GTX628459). EasyBlot anti-Mouse IgG (GTX221667-01) was used as a secondary reagent.



GTX628459 FACS Image

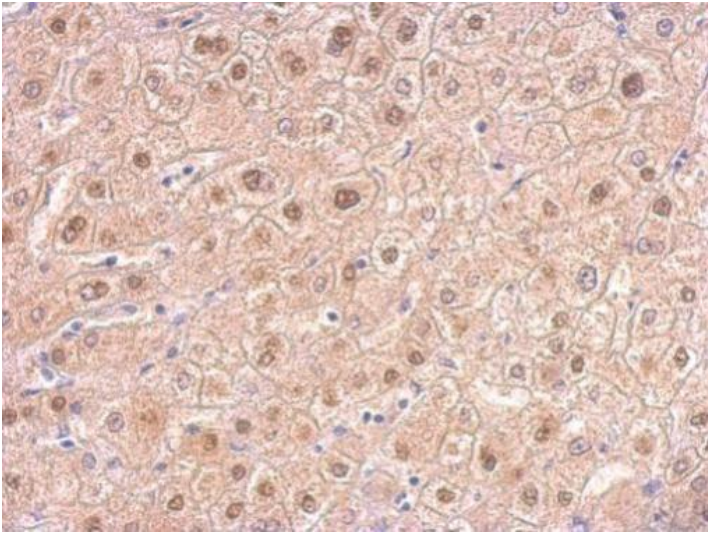
c-Myc antibody [GT168] antibody (GTX628459) detects c-Myc protein by flow cytometry analysis. Sample: NT2D1 cell fixed in 4% paraformaldehyde for 15 min on ice. Black: Unlabelled sample was also used as a control. Red: c-Myc antibody [GT168] antibody (GTX628459) dilution: 1:50. Acquisition of >20,000 events were collected using Argon ion laser (488nm) and 525/30 bandpass filter.



FITC-A

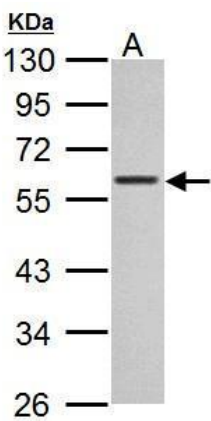
GTX628459 FACS Image

c-Myc antibody [GT168] detects C-MYC protein by flow cytometry analysis. Sample: Human embryonic stem cells Black: Isotype control dilution: 1:50 Green: c-Myc antibody [GT168] dilution: 1:50



GTX628459 IHC-P Image

c-Myc antibody [GT168] detects Myc protein at nucleus on human hepatoma by immunohistochemical analysis. Sample: Paraffin-embedded hepatoma. c-Myc antibody [GT168] (GTX628459) dilution: 1:200.



GTX628459 WB Image

c-Myc antibody [GT168] detects Myc protein by Western blot analysis. A. 30 µg 293T whole cell lysate/extract 10 % SDS-PAGE c-Myc antibody [GT168] (GTX628459) dilution: 1:500