

Human v-Myc protein, His and GST tag

Cat. No. GTX00126-pro

Application Functional Assay

Species Human

Package

10 µg

APPLICATION

Application Note

MYC (Myc proto-oncogene protein) is a nuclear phosphoprotein that binds specific sequence of DNA. MYC functions as a transcription factor and regulates transcription of target genes. It has been proven that c-Myc protein is intracellularly associated with TBP (TATA-binding protein) of the TFIID transcription initiation complex; besides, TRRAP (Transformation/transcription domain-associated protein) is thought to be an essential cofactor for the MYC. Thus a binding ELISA assay was conducted to detect the interaction of MYC with TBP and TRRAP. Briefly, recombinant human MYC were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to TBP-coated and TRRAP microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-MYC pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50 µl stop solution to the wells and read at 450nm immediately. The binding activity of MYC with TBP and TRRAP was shown in images, and this effect was in a dose dependent manner.

Observed MW 65 kDa.

PROPERTIES

Form Lyophilized powder

Buffer Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.

Preservative ProClin 300

Storage For short-term storage (1-2 weeks), store at 4°C. For long-term storage, store at -20°C or below. After reconstitution, keep as concentrated solution. Avoid freeze-thaw cycles.

Region/Sequence N-terminal His and GST-Tag; Ser184~Ala454 (NP_002458.2)

Expression System E. coli

Purity > 97%

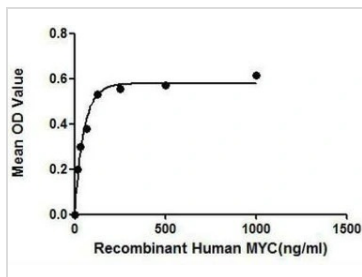
Endotoxin < 1 EU/µg

Conjugation Unconjugated

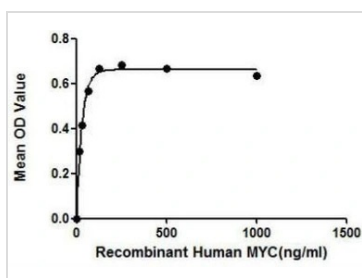
Note For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.



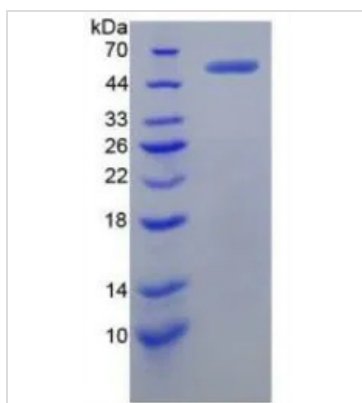
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DATA IMAGES

GTX00126-pro Functional Assay Image

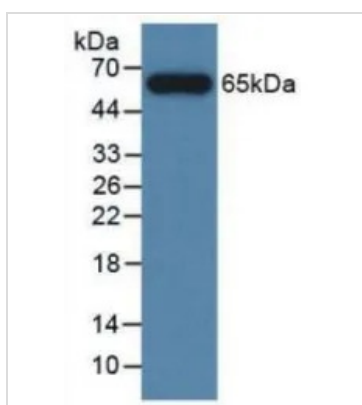
Functional ELISA analysis of GTX00126-pro Human v-Myc protein which can bind immobilized TBP protein.


GTX00126-pro Functional Assay Image

Functional ELISA analysis of GTX00126-pro Human v-Myc protein which can bind immobilized TRRAP protein.


GTX00126-pro Image

SDS-PAGE analysis of GTX00126-pro Human v-Myc protein.


GTX00126-pro Image

WB analysis of GTX00126-pro Human v-Myc protein.



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