

V-Myc Myelocytomatosis Viral Oncogene Homolog (MYC) Active Protein | MYC active protein

Active V-Myc Myelocytomatosis Viral Oncogene Homolog (MYC)

CATALOG # AAA148128	REACTIVITY Human	APPLICATIONS Activity Assay, Cell Culture
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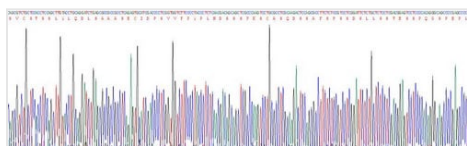
PRODUCT SYNONYMS

V-Myc Myelocytomatosis Viral Oncogene Homolog (MYC); Active V-Myc Myelocytomatosis Viral Oncogene Homolog (MYC); C-Myc; BHLHE39; Myc Proto-Oncogene Protein; Class E basic helix-loop-helix protein 39; Transcription factor p64; Proto-oncogene c-Myc; MYC active protein

PRODUCT SPECIFICATIONS

Reactivity	Human
Purity/Purification	> 97%
Form/Format	Freeze-dried powder
Sequence Length	454
Applicable Applications for MYC active protein	Activity Assay, Cell Culture
Tag	N-terminal His and GST Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Ser184~Ala454
Isoelectric Point	6.6

IMAGES



Application Data

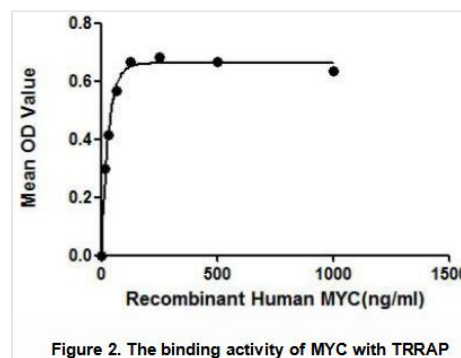
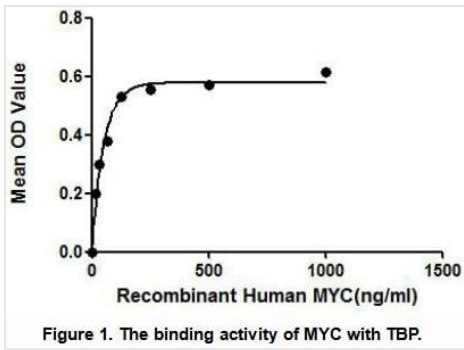


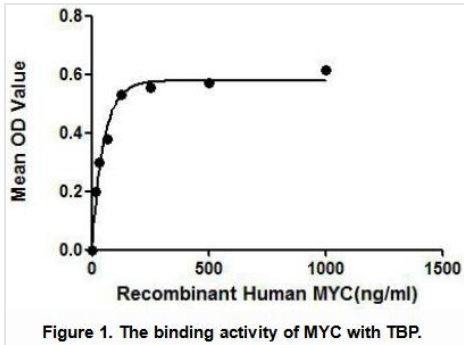
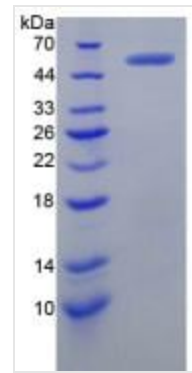
Figure 2. The binding activity of MYC with TRRAP

Application Data



Application Data

SDS-PAGE



Activity

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 100uL were then transferred to TBP-coated and TRRAP microtiter wells and incubated for 2h at 37 degree 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 degree C. Finally, add 50uL stop solution to the wells and read at 450nm immediately. The binding activity of MYC with TBP and TRRAP was shown in Figure 1 and Figure 2 separately, and this effect was in a dose dependent manner.

ADDITIONAL INFORMATION

Product Categories/Family for MYC active protein

Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	71774083
NCBI GeneID	4609
NCBI Accession #	NP_002458.2
NCBI GenBank Nucleotide #	NM_002467.5
UniProt Accession #	P01106; P01107; Q14026; A8WFE7
Molecular Weight	Predicted Molecular Weight: 60.2kDa Accurate Molecular Weight: 65kDa
NCBI Official Full Name	myc proto-oncogene protein isoform 1

NCBI Official Synonym Full Names	MYC proto-oncogene, bHLH transcription factor
NCBI Official Symbol	MYC
NCBI Official Synonym Symbols	MRTL; MYCC; c-Myc; bHLHe39
NCBI Protein Information	myc proto-oncogene protein
UniProt Protein Name	Myc proto-oncogene protein
UniProt Gene Name	MYC
UniProt Synonym Gene Names	BHLHE39; bHLHe39

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-active-protein/v-myc-myelocytomatosis-viral-oncogene-homolog-myc/148128>