

MYC elisa kit

Myc (Phospho-Thr58) Phospho Sandwich ELISA Kit

CATALOG # AAA318625	REACTIVITY Human, Mouse, Rat
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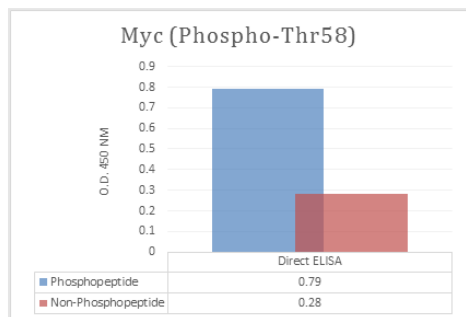
PRODUCT SYNONYMS

Myc; Myc (Phospho-Thr58) Phospho Sandwich ELISA Kit; Myc proto-oncogene protein; Class E basic helix-loop-helix protein 39; bHLHe39; Proto-oncogene c-Myc; Transcription factor p64; MYC; BHLHE39; MYC elisa kit

PRODUCT SPECIFICATIONS

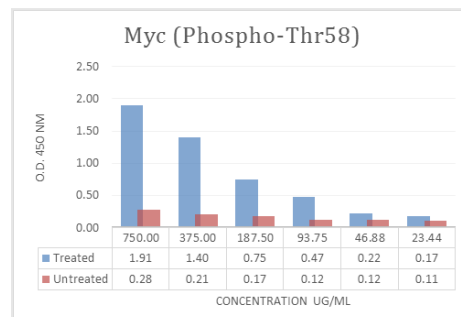
Reactivity	Human, Mouse, Rat
Specificity	The Myc (Phospho-Thr58) Phospho Sandwich ELISA Kit is a convenient, lysate- free, high throughput and sensitive assay kit that can detect Myc protein phosphorylation and expression profile in cell lysates. The kit can be used for measuring the relative amounts of phosphorylated Myc in cultured cells as well as screening for the effects that various treatments, inhibitors (ie. siRNA or chemicals), or activators have on Myc phosphorylation.
Sequence Length	454
Assay Type	Quantitative Sandwich
Preparation and Storage	Store entire kit at 4 degree C until use. Kit expiration is 3 months from date of shipment.

IMAGES



ELISA

Enzyme-Linked Immunosorbent Assay (ELISA) for immunogen phosphor-peptide (left) and non-phospho peptide (right), using Anti-Myc (Phospho-Thr58) Antibody.



Application Data

HeLa cells were grown to 90% confluency and were stimulated with EGF 200 ng/mL for 30 minutes. Cells were immediately lysed thereafter and measured for Total Protein Concentration and O.D. 450 nm of Myc P-Thr58 versus untreated HeLa lysates.

ADDITIONAL INFORMATION

Related Product Information for MYC elisa kit	Principle of the Assay: The Phospho Sandwich Myc (Phospho-Thr58) ELISA Kit contains the components necessary for semi-quantitative determination of Myc (Phospho-Thr58) concentrations within experimental cell lysate samples. This particular immunoassay utilizes the traditional "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope Myc (Phospho-Thr58) while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a colorimetric reaction to ensue upon substrate addition. When the substrate TMB (3, 3', 5, 5'-Tetramethylbenzidine) is added, the reaction catalyzed by peroxidase yields a blue color that is representative of the antigen concentration. Upon sufficient color development, the reaction can be terminated through addition of Stop Solution (2 N Sulfuric Acid) where the color of the solution will turn yellow. The absorbance of each well can then be read by a spectrophotometer where data analysis may begin.
Product Categories/Family for MYC elisa kit	Phospho Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	71774083
NCBI GeneID	4609
NCBI Accession #	NP_002458.2
NCBI GenBank Nucleotide #	NP_002458.2
UniProt Accession #	P01106
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
UniProt Entry Name	MYC_HUMAN

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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