

Human C-Myc-binding protein (MYCBP) ELISA Kit

Catalog No: #EK11955



Package Size: #EK11955-1 48T #EK11955-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human C-Myc-binding protein (MYCBP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	AMY-1; FLJ41056; associate of myc-1
Accession No.	Q99417
Uniprot	Q99417
GeneID	26292;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.061 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MYCBP in samples. An antibody specific for MYCBP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMYCBP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MYCBP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MYCBP bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The MYCBP gene encodes a protein that binds to the N-terminal region of MYC and stimulates the activation of E box-dependent transcription by MYC.The MYC protooncogene appears to play key roles in cell proliferation, differentiation, transformation, and apoptosis. A variety of functions of the MYC gene product are attributable to protein-protein interactions with various cellular factors. AMY1 was found to bind in vitro and in vivo to the regulatory subunit II-binding region of AKAP1 and S-AKAP84, a splicing variant of AKAP149 expressed in the testis. AMY1 was expressed postmeiotically in the testis, as was also S-AKAP84. AMY1 was localized in the mitochondria of HeLa and sperm in association with AKAP149 and S-AKAP84, respectively. These results suggested that AMY1 plays a role in spermatogenesis.

Note: This product is for in vitro research use only