Human Nuclease-sensitive element-binding protein 1 (YBX1) ELISA Kit

Catalog No: #EK5805

Package Size: #EK5805-1 48T #EK5805-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Nuclease-sensitive element-binding protein 1 (YBX1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	BP-8; CSDA2; CSDB; DBPB; MDR-NF1; MGC104858; MGC110976; MGC117250; NSEP-1; NSEP1; YB-1; YB1; DNA-binding protein B|major histocompatibility complex; class II; Y box-binding protein I|nuclease sensit
Accession No.	P67809
Uniprot	P67809
GeneID	4904;
Storage	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. 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).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.063 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 YBX1 in samples. An antibody specific for YBX1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyYBX1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for YBX1 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 YBX1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Y box binding protein 1is a human protein. Current research is examining its involvement in cancer, and particularly in the metastasis of cancerous cells or prevention thereof.

The deduced 322-amino acid protein contains 4 putative DNA-binding domains, 3 of which are rich in basic amino acids. Two of these basic regions, basic-1 and basic-2, form the double-strand DNA-binding domain of the protein. NSEP1 also has a pro/ser/thr-rich domain and an asp/glu/gln-rich domain, both of which are reminiscent of activation domains. It also contains an octapeptide single-strand DNA-binding motif that shares weak homology with the ribonucleoprotein consensus sequence of RNA-binding proteins.

Note: This product is for in vitro research use only