Human Histone deacetylase-2 (HDAC2) ELISA Kit

Catalog No: #EK12154

Package Size: #EK12154-1 48T #EK12154-2 96T

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Description

Product Name	Human Histone deacetylase-2 (HDAC2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RPD3; YAF1; YY1-associated factor 1|transcriptional regulator homolog RPD3
Accession No.	Q92769
Uniprot	Q92769
GeneID	3066;
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:0.057 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 HDAC2 in samples. An antibody specific for HDAC2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyHDAC2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HDAC2 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 HDAC2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Histone deacetylase 2 belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes and are responsible for the deacetylation of lysine residues on the N-terminal region of the core histones (H2A, H2B, H3 and H4). This protein also forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus it plays an important role in transcriptional regulation, cell cycle progression and developmental events.YY1 is a mammalian zinc finger transcription factor that acts as both a positive and negative regulator of transcription at CCATNTT consensus DNA elements in promoters of cellular and viral genes.

Note: This product is for in vitro research use only