Human Methyl-CpG-binding domain protein 1 (MBD1) ELISA Kit

Catalog No: #EK9842

Package Size: #EK9842-1 48T #EK9842-2 96T

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

Description

Product Name	Human Methyl-CpG-binding domain protein 1 (MBD1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CXXC3; PCM1; RFT; OTTHUMP00000163504|OTTHUMP00000163506|OTTHUMP00000163507|methyl-CpG binding domain protein 1 isoform PCM1|the regulator of fibroblast growth factor 2 (FGF-2) transcription
Accession No.	Q9UIS9
Uniprot	Q9UIS9
GeneID	4152;
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:0.312-20 ng/mL

Sensitivity:0.112 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 MBD1 in samples. An antibody specific for MBD1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMBD1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MBD1 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 MBD1 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DPEP1 (EC 3.4.13.11) is a kidney membrane enzyme that hydrolyzes a variety of dipeptides and is implicated in renal metabolism of glutathione and its conjugates, e.g., leukotriene D4 (Kozak and Tate, 1982).DPEP1 is responsible for hydrolysis of the beta-lactam ring of antibiotics, such as penem and carbapenem (Campbell et al., 1984). Earlier, beta-lactamase enzymes were thought to occur only in bacteria, where their probable function was in protecting the organisms against the action of beta-lactam antibiotics. These antibiotics exhibit selective toxicity against bacteria but virtual inertness against many eukaryotic cells (Adachi et al., 1990).

Note: This product is for in vitro research use only