Human Zinc finger BED domain-containing protein 3 (ZBED3) ELISA Kit

Catalog No: #EK5796

Package Size: #EK5796-1 48T #EK5796-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Zinc finger BED domain-containing protein 3 (ZBED3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC15435; 2610005H11Rik|zinc finger; BED domain containing 3
Accession No.	Q96IU2
Uniprot	Q96IU2
GeneID	84327;
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:0.128 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 ZBED3 in samples. An antibody specific for ZBED3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyZBED3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ZBED3 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 ZBED3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Zbed3 contains a PPPPSPT motif, which is crucial to its binding to Axin. The Ser and Thr residues in the motif appear to be also phosphorylated by glycogen synthase kinase 3β (GSK3β) and the CKI family kinases, as GSK3β and CKI? could enhance the interaction of Zbed3 with Axin. Expressing Zbed3, but not these mutants, led to inhibition of GSK3β-mediated β-catenin phosphorylation, cytoplasmic β-catenin accumulation, and activation of lymphoid enhancer binding factor-1-dependent reporter gene transcription. Furthermore, knockdown of Zbed3 with RNA interference attenuated Wnt-induced β-catenin accumulation, lymphoid enhancer binding factor-1-dependent luciferase reporter activity, and the Wnt target gene expression. Zbed3 is a novel Axin-binding protein that is involved in Wnt/β-catenin signaling modulation.

Note: This product is for in vitro research use only