Human Zymogen granule protein 16 homolog B (ZG16B) ELISA Kit

Catalog No: #EK5793

Package Size: #EK5793-1 48T #EK5793-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Zymogen granule protein 16 homolog B (ZG16B) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	HRPE773; JCLN2; PAUF; PRO1567; jacalin-like lectin domain containing 2|pancreatic adenocarcinoma upregulated factor|zymogen granule protein 16 homolog B
Accession No.	Q96DA0
Uniprot	Q96DA0
GeneID	124220;
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 ZG16B in samples. An antibody specific for ZG16B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyZG16B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ZG16B 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 ZG16B bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:ZG16b/PAUF has recently been found to play a role in gene regulation and cancer metastasis. However, the detailed functions of ZG16p and ZG16b remain to be clarified. ZG16p has a Jacalin-related β-prism fold, the first to be reported among mammalian lectins. The putative sugar-binding site of ZG16p is occupied by a glycerol molecule, mimicking the mannose bound to Jacalin-related mannose-binding-type plant lectins such as Banlec. ZG16b also has a β-prism fold, but some amino acid residues of the putative sugar-binding site differ from those of the mannose-type binding site suggesting altered preference. A positively charged patch, which may bind sulfated groups of the glycosaminoglycans, is located around the putative sugar-binding site of ZG16p and ZG16b. The sugar-binding site and the adjacent basic patch of ZG16p and ZG16b cooperatively form a functional glycosaminoglycan-binding site.

Note: This product is for in vitro research use only