Human Inactive dipeptidyl peptidase 10 (DPP10) ELISA Kit

Catalog No: #EK11620

Package Size: #EK11620-1 48T #EK11620-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Inactive dipeptidyl peptidase 10 (DPP10) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DPL2; DPPY; DPRP3; OTTHUMP00000203618|dipeptidyl peptidase 10|dipeptidyl peptidase IV-related protein 3|dipeptidyl peptidase X|dipeptidyl peptidase like protein 2
Accession No.	Q8N608
Uniprot	Q8N608
GeneID	57628;
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:0.116 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 DPP10 in samples. An antibody specific for DPP10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDPP10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DPP10 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 DPP10 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:DPP10 encodes a single-pass type II membrane protein that is a member of the S9B family in clan SC of the serine proteases. This protein has no detectable protease activity, most likely due to the absence of the conserved serine residue normally present in the catalytic domain of serine proteases. However, it does bind specific voltage-gated potassium channels and alters their expression and biophysical properties. Mutations in this gene have been associated with asthma. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. DPP10 lacks the active-site serine, which is substituted with a glycine residue. Database analysis suggested the presence of a second DPP10 transcript. DPP10 shares 48% and 51% amino acid identity with the short and long DPP6 isoforms, respectively.

Note: This product is for in vitro research use only