

Human Dipeptidyl aminopeptidase-like protein 6 (DPP6) ELISA Kit

Catalog No: #EK11274

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

Package Size: #EK11274-1 48T #EK11274-2 96T

Description

Product Name	Human Dipeptidyl aminopeptidase-like protein 6 (DPP6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DPPX; FLJ55680; MGC46605; VF2; dipeptidyl aminopeptidase IV-related protein dipeptidyl aminopeptidase-like protein 6 dipeptidyl peptidase IV-related protein dipeptidylpeptidase 6 dipeptidylpeptidase
Accession No.	P42658
Uniprot	P42658
GeneID	1804;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:3.12-200 ng/mL

Sensitivity:1.08 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 DPP6 in samples. An antibody specific for DPP6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDPP6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DPP6 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 DPP6 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Dipeptidyl aminopeptidase-like protein 6 is 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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.This trend was most pronounced for the subset of genes implicated in nervous system development. Moreover, within primates, the acceleration of protein evolution was most prominent in the lineage leading from ancestral primates to humans.

Note: This product is for in vitro research use only